



Office for Product
Safety & Standards

The Use of Metal and Non-metal Nanomaterials in Consumer Products and Associated Safety Issues

Supplementary Data

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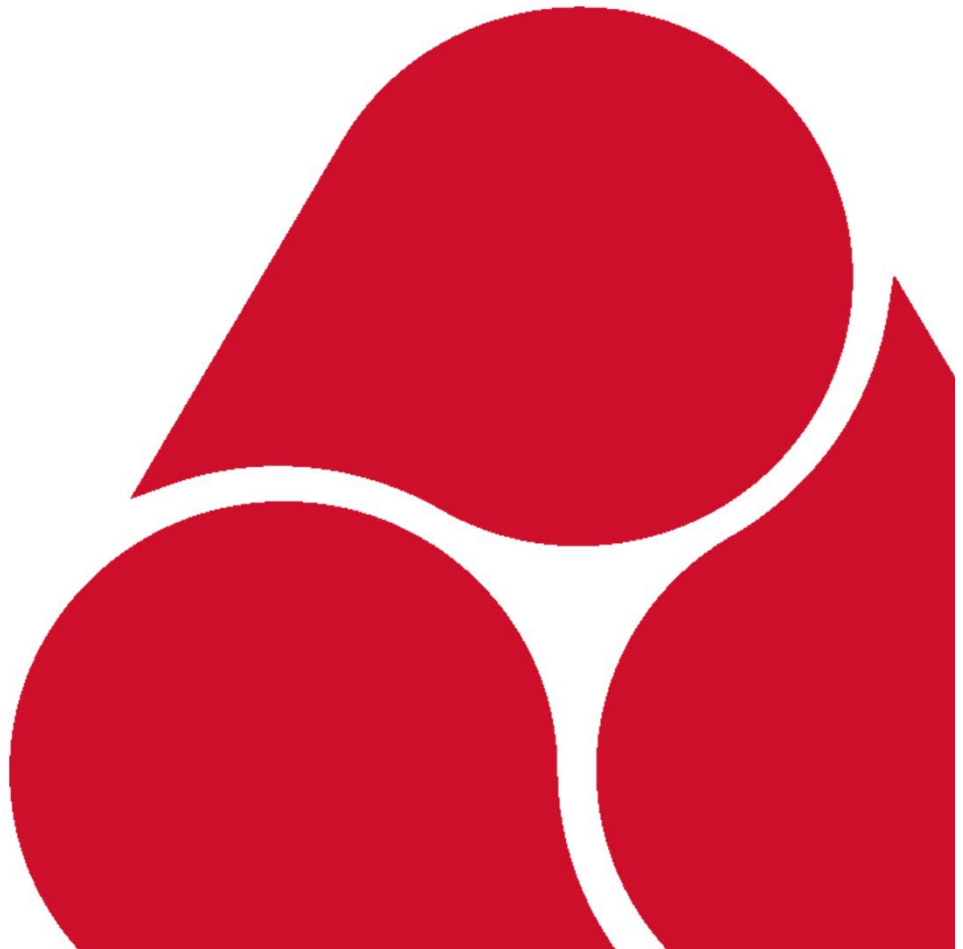


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Supplementary Information 1: Literature Search for Research Question 1 What is the prevalence of metal and non-metal nanomaterials in consumer products on the UK market?

Reference	DOI	Relevant (R)/Possibly Relevant or useful (PR)
Hansen, SF; Heggelund, LR; Besora, PR; Mackevica, A; Boldrin, A; Baun, A. 2016. Nanoproducts - what is actually available to European consumers? ENVIRONMENTAL SCIENCE-NANO.	10.1039/C5EN00182J	R
Aitken, RJ; Chaudhry, MQ; Boxall, ABA; Hull, M. 2006. Manufacture and use of nanomaterials: current status in the UK and global trends. OCCUPATIONAL MEDICINE- OXFORD. 56	10.1093/occmed/kql051	R

Supplementary Information 2: Literature Search for Research Question 2 What are the potential physical and chemical safety issues relating to the use of metal and non-metal nanomaterials in consumer products on/to be placed on the UK market and the associated risks? Search 1

Reference	DOI	Relevant (R)/Possibly relevant or useful
Adawi, HI; Newbold, MA; Reed, JM; Vance, ME; Feitschans, IL; Bickford, LR; Lewinski, NA. 2018. Nano-enabled personal care products: Current developments in consumer safety. NANOIMPACT. 11	10.1016/j.impact.2018.08.002	R
Chaudhry, Q. 2015. Opinion of the Scientific Committee on Consumer safety (SCCS) - Revision of the opinion on the safety of the use of titanium dioxide, nano form, in cosmetic products. REGULATORY TOXICOLOGY AND PHARMACOLOGY. 73	10.1016/j.yrtph.2015.09.005	R
Rycroft, T; Larkin, S; Ganin, A; Thomas, T; Matheson, J; Van Grack, T; Chen, XR; Plourde, K; Kennedy, A; Linkov, I. 2019. A framework and pilot tool for the risk-based prioritization and grouping of nano-enabled consumer products. ENVIRONMENTAL SCIENCE-NANO. 6	10.1039/C8EN00848E	R
Chaudhry, Q. 2016. Opinion of the Scientific Committee on Consumer safety (SCCS) - Second revision of the opinion on carbon black, nano-form, in cosmetic products. REGULATORY TOXICOLOGY AND PHARMACOLOGY. 79	10.1016/j.yrtph.2016.02.021	R
Dreno, B; Alexis, A; Chuberre, B; Marinovich, M. 2019. Safety of titanium dioxide nanoparticles in cosmetics. JOURNAL OF THE EUROPEAN	10.1111/jdv.15943	R

ACADEMY OF DERMATOLOGY AND VENEREOLOGY. 33		
Cao, MJ; Li, B; Guo, MY; Liu, Y; Zhang, LL; Wang, YL; Hu, B; Li, JY; Sutherland, DS; Wang, LM; Chen, CY. 2021. In vivo percutaneous permeation of gold nanomaterials in consumer cosmetics: implication in dermal safety assessment of consumer nanoproducts. NANOTOXICOLOGY. 15	10.1080/17435390.2020.1860264	R
Solaiman, SM; Algie, J; Bakand, S; Sluyter, R; Sencadas, V; Lerch, M; Huang, XF; Konstantinov, K; Barker, PJ. 2019. Nano-sunscreens - a double-edged sword in protecting consumers from harm: viewing Australian regulatory policies through the lenses of the European Union. CRITICAL REVIEWS IN TOXICOLOGY. 49	10.1080/10408444.2019.1579780	R
Martin, DP; Melby, NL; Jordan, SM; Bednar, AJ; Kennedy, AJ; Negrete, ME; Chappell, MA; Poda, AR. 2016. Nanosilver conductive ink: A case study for evaluating the potential risk of nanotechnology under hypothetical use scenarios. CHEMOSPHERE. 162	10.1016/j.chemosphere.2016.07.082	R
Li, YZ; Cummins, E. 2021. A semi-quantitative risk ranking of potential human exposure to engineered nanoparticles (ENPs) in Europe. SCIENCE OF THE TOTAL ENVIRONMENT. 778	10.1016/j.scitotenv.2021.146232	R
Hoet, PHM. 2016. Opinion of the Scientific Committee on Consumer Safety (SCCS) - Revision of the opinion on the safety of the use of Silica, Hydrated Silica, and Silica Surface Modified with Alkyl Silylates (nano form) in cosmetic products. REGULATORY TOXICOLOGY AND PHARMACOLOGY. 74	10.1016/j.yrtph.2015.11.005	R
Som, C; Wick, P; Krug, H; Nowack, B. 2021. Environmental and health effects of nanomaterials in nanotextiles and facade coatings. ENVIRONMENT INTERNATIONAL. 37	10.1016/j.envint.2011.02.013	R

Hagendorfer, H; Lorenz, C; Kaegi, R; Sinnet, B; Gehrig, R; Goetz, NV; Scheringer, M; Ludwig, C; Ulrich, A. 2010. Size-fractionated characterization and quantification of nanoparticle release rates from a consumer spray product containing engineered nanoparticles. JOURNAL OF NANOPARTICLE RESEARCH. 12	10.1007/s11051-009-9816-6	R
Clar, JG; Platten, WE; Baumann, E; Remsen, A; Harmon, S; Rodgers, K; Thomas, T; Matheson, J; Luxton, TP. 2019. Transformation and release of nanoparticle additives & byproducts from commercially available surface coatings on pressure treated lumber via dermal contact. SCIENCE OF THE TOTAL ENVIRONMENT. 694	10.1016/j.scitotenv.2019.133669	R
Rezvani, E; Rafferty, A; McGuinness, C; Kennedy, J. 2019. Adverse effects of nanosilver on human health and the environment. ACTA BIOMATERIALIA. 94	10.1016/j.actbio.2019.05.042	R
Thornton, SB; Boggins, SJ; Peloquin, DM; Luxton, TP; Clar, JG. 2020. Release and transformation of nanoparticle additives from surface coatings on pristine & weathered pressure treated lumber. SCIENCE OF THE TOTAL ENVIRONMENT. 737	10.1016/j.scitotenv.2020.139451	R
Clar, JG; Platten, WE; Baumann, E; Remsen, A; Harmon, SM; Rodgers, K; Thomas, TA; Matheson, J; Luxton, TP. 2020. Release and transformation of ZnO nanoparticles used in outdoor surface coatings for UV protection. SCIENCE OF THE TOTAL ENVIRONMENT. 670	10.1016/j.scitotenv.2019.03.189	R
Taylor, AA; Khan, MY; Helbley, J; Walker, SL. 2017. Safety evaluation of hair-dryers marketed as emitting nano silver particles. SAFETY SCIENCE. 93	10.1016/j.ssci.2016.11.021	R
Mackevica, A; Olsson, ME; Hansen, SF. 2017. The release of silver nanoparticles from commercial toothbrushes. JOURNAL OF HAZARDOUS MATERIALS. 322 Part A	10.1016/j.jhazmat.2016.03.067	R

Robertson, TA; Sanchez, WY; Roberts, MS. 2010. Are Commercially Available Nanoparticles Safe When Applied to the Skin?. JOURNAL OF BIOMEDICAL NANOTECHNOLOGY. 6	10.1166/jbn.2010.1145	PR
Weir, A; Westerhoff, P; Fabricius, L; Hristovski, K; von Goetz, N. 2012. Titanium Dioxide Nanoparticles in Food and Personal Care Products. ENVIRONMENTAL SCIENCE & TECHNOLOGY. 46	10.1021/es204168d	PR
Nohynek, GJ; Antignac, E; Re, T; Toutain, H. 2010. Safety assessment of personal care products/cosmetics and their ingredients. TOXICOLOGY AND APPLIED PHARMACOLOGY. 243	10.1016/j.taap.2009.12.001	R
Lioy, PJ; Nazarenko, Y; Han, TW; Lioy, MJ; Mainelis, G. 2010. Nanotechnology and Exposure Science What Is Needed To Fill the Research and Data Gaps for Consumer Products. INTERNATIONAL JOURNAL OF OCCUPATIONAL AND ENVIRONMENTAL HEALTH. 16	10.1179/107735210799160057	PR
Cao, MJ; Li, JY; Tang, JL; Chen, CY; Zhao, YL. 2016. Gold Nanomaterials in Consumer Cosmetics Nanoproducts: Analyses, Characterization, and Dermal Safety Assessment. SMALL. 12	10.1002/smll.201601574	R
Nazarenko, Y; Zhen, HJ; Han, TW; Lioy, PJ; Mainelis, G. 2012. Nanomaterial inhalation exposure from nanotechnology-based cosmetic powders: a quantitative assessment. JOURNAL OF NANOPARTICLE RESEARCH. 14	10.1007/s11051-012-1229-2	PR
Geppert, M; Schwarz, A; Stangassinger, LM; Wenger, S; Wienerroither, LM; Ess, S; Duschl, A; Himly, M. 2020. Interactions of TiO ₂ Nanoparticles with Ingredients from Modern Lifestyle Products and Their Effects on Human Skin Cells. CHEMICAL RESEARCH IN TOXICOLOGY. 33	10.1021/acs.chemres tox.9b00428	R
Sajid, M; Ilyas, M; Basheer, C; Tariq, M; Daud, M; Baig, N; Shehzad, F. 2015. Impact of nanoparticles on human and environment: review of toxicity factors,	10.1007/s11356-014-3994-1	R

exposures, control strategies, and future prospects. ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH. 22		
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Supplementary Information 3: Literature Search for Research Question 2 What are the potential physical and chemical safety issues relating to the use of metal and non-metal nanomaterials in consumer products on/to be placed on the UK market and the associated risks? Search 4

Reference	DOI/ text hyperlink	Relevant (R)/ Possibly relevant or useful (PR)
Christensen, FM; Johnston, HJ; Stone, V; Aitken, RJ; Hankin, S; Peters, S; Aschberger, K. 2011. Nano-TiO ₂ -feasibility and challenges for human health risk assessment based on open literature. NANOTOXICOLOGY. 5	10.3109/17435390.2010.504899	R
Christensen, FM; Johnston, HJ; Stone, V; Aitken, RJ; Hankin, S; Peters, S; Aschberger, K. 2010. Nano-silver - feasibility and challenges for human health risk assessment based on open literature. NANOTOXICOLOGY. 4	10.3109/17435391003690549	R
Dreno, B; Alexis, A; Chuberre, B; Marinovich, M. 2019. Safety of titanium dioxide nanoparticles in cosmetics. JOURNAL OF THE EUROPEAN ACADEMY OF DERMATOLOGY AND VENEREOLOGY. 33	10.1111/jdv.15943	R
Li, YZ; Cummins, E. 2021. A semi-quantitative risk ranking of potential human exposure to engineered nanoparticles (ENPs) in Europe. SCIENCE OF THE TOTAL ENVIRONMENT. 778	10.1016/j.scitotenv.2021.146232	R
Mitrano, DM; Motellier, S; Clavaguera, S; Nowack, B. 2015. Review of nanomaterial aging and transformations through the life cycle of nano-enhanced products. ENVIRONMENT INTERNATIONAL. 77	10.1016/j.envint.2015.01.013	R

Prasad, RY; Chastain, PD; Nikolaishvili-Feinberg, N; Smeester, L; Kaufmann, WK; Fry, RC. 2013. Titanium dioxide nanoparticles activate the ATM-Chk2 DNA damage response in human dermal fibroblasts. NANOTOXICOLOGY. 7	10.3109/17435390.2012.710659	R
Pang, CF; Hristozov, D; Zabeo, A; Pizzol, L; Tsang, MP; Sayre, P; Marcomini, A. 2017. Probabilistic approach for assessing infants' health risks due to ingestion of nanoscale silver released from consumer products. ENVIRONMENT INTERNATIONAL. 99	10.1016/j.envint.2016.11.017	R
Park, J; Yoon, C; Lee, K. 2018. Comparison of modeled estimates of inhalation exposure to aerosols during use of consumer spray products. INTERNATIONAL JOURNAL OF HYGIENE AND ENVIRONMENTAL HEALTH. 221	10.1016/j.ijheh.2018.05.005	PR
Surekha, P; Kishore, AS; Srinivas, A; Selvam, G; Goparaju, A; Reddy, PN; Murthy, PB. 2012. Repeated dose dermal toxicity study of nano zinc oxide with Sprague-Dawley rats. CUTANEOUS AND OCULAR TOXICOLOGY. 31	10.3109/15569527.2011.595750	R
Nazarenko, Y; Zhen, HJ; Han, T; Liou, PJ; Mainelis, G. 2012. Potential for Inhalation Exposure to Engineered Nanoparticles from Nanotechnology-Based Cosmetic Powders. ENVIRONMENTAL HEALTH PERSPECTIVES. 120	10.1289/ehp.1104350	PR
Jorgensen, RB; Hveding, IG; Solheim, K. 2017. Nano-sized emission from commercially available paints used for indoor surfaces during drying. CHEMOSPHERE. 189	10.1016/j.chemosphere.2017.09.028	PR
Pini, M; Salieri, B; Ferrari, AM; Nowack, B; Hischer, R. 2016. Human health characterization factors of nano-TiO ₂ for indoor and outdoor environments. INTERNATIONAL JOURNAL OF LIFE CYCLE ASSESSMENT. 21	10.1007/s11367-016-1115-8	R

<p>Pedata, P; Ricci, G; Malorni, L; Venezia, A; Cammarota, M; Volpe, MG; Iannaccone, N; Guida, V; Schiraldi, C; Romano, M; Iacomino, G. 2019. In vitro intestinal epithelium responses to titanium dioxide nanoparticles. FOOD RESEARCH INTERNATIONAL. 119</p>	<p>10.1016/j.foodres.2018.10.041</p>	<p>R</p>
<p>Kim, JB; Kim, JY; Yoon, TH. 2017. Determination of silver nanoparticle species released from textiles into artificial sweat and laundry wash for a risk assessment. HUMAN AND ECOLOGICAL RISK ASSESSMENT. 23</p>	<p>10.1080/10807039.2016.1277417</p>	<p>R</p>
<p>Vrcek, IV; Zuntar, I; Petlevski, R; Pavicic, I; Sikiric, MD; Curlin, M; Goessler, W. 2016. Comparison of iToxicity of Silver Ions and Silver Nanoparticles on Human Hepatoma Cells. ENVIRONMENTAL TOXICOLOGY. 31</p>	<p>10.1002/tox.22081</p>	<p>R</p>
<p>Khaksar, M; Vasileiadis, S; Sekine, R; Brunetti, G; Scheckel, KG; Vasilev, K; Lombi, E; Donner, E. 2019. Chemical characterisation, antibacterial activity, and (nano)silver transformation of commercial personal care products exposed to household greywater. ENVIRONMENTAL SCIENCE-NANO. 6</p>	<p>10.1039/c9en00738e</p>	<p>R</p>
<p>Chawla, J; Singh, D; Sundaram, B; Kumar, A. 2018. Identifying Challenges in Assessing Risks of Exposures of Silver Nanoparticles. EXPOSURE AND HEALTH. 10</p>	<p>10.1007/s12403-017-0245-y</p>	<p>R</p>
<p>Mackevica, A; Hansen, SF. 2016. Release of nanomaterials from solid nanocomposites and consumer exposure assessment - a forward-looking review. NANOTOXICOLOGY. 10</p>	<p>10.3109/17435390.2015.1132346</p>	<p>R</p>
<p>Thornton, SB; Boggins, SJ; Peloquin, DM; Luxton, TP; Clar, JG. 2020. Release and transformation of nanoparticle additives from surface coatings on pristine & weathered pressure treated lumber. SCIENCE OF THE TOTAL ENVIRONMENT. 737</p>	<p>10.1016/j.scitotenv.2020.139451</p>	<p>R</p>

Calderon, L; Yang, LT; Lee, KB; Mainelis, G. 2018. Characterization of airborne particle release from nanotechnology-enabled clothing products. JOURNAL OF NANOPARTICLE RESEARCH. 20	10.1007/s11051-018-4435-8	R
Bierkandt, FS; Leibrock, L; Wagener, S; Laux, P; Luch, A. 2018. The impact of nanomaterial characteristics on inhalation toxicity. TOXICOLOGY RESEARCH. 7	10.1039/c7tx00242d	PR
Mohammadi, F; Sadeghi, L; Mohammadi, A; Tanwir, F; Babadi, VY; Izadnejad, M. 2015. The effects of Nano titanium dioxide (TiO ₂)NPs on lung tissue. BRATISLAVA MEDICAL JOURNAL-BRATISLAVSKE LEKARSKE LISTY. 116	10.4149/BLL_2015_069	R
Park, J; Ham, S; Kim, S; Jang, M; Lee, J; Kim, S; Park, D; Lee, K; Kim, H; Kim, P; Yoon, C. 2020. Physicochemical characteristics of colloidal nanomaterial suspensions and aerosolized particulates from nano-enabled consumer spray products. INDOOR AIR. 30	10.1111/ina.12668	PR
Heshmati, M; ArbabiBidgoli, S; Khoei, S; Rezayat, SM; Parivar, K. 2015. Mutagenic Effects of Nanosilver Consumer Products: a new Approach to Physicochemical Properties. IRANIAN JOURNAL OF PHARMACEUTICAL RESEARCH. 14	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4673945/pdf/ijpr-14-1171.pdf	R
von Goetz, N; Fabricius, L; Glaus, R; Weitbrecht, V; Gunther, D; Hungerbuhler, K. 2013. Migration of silver from commercial plastic food containers and implications for consumer exposure assessment. FOOD ADDITIVES AND CONTAMINANTS PART A-CHEMISTRY ANALYSIS CONTROL EXPOSURE & RISK ASSESSMENT. 30	10.1080/19440049.2012.762693	R
Notter, T; Aengenheister, L; Weber-Stadlbauer, U; Naegeli, H; Wick, P; Meyer, U; Buerki-Thurnherr, T. 2018. Prenatal exposure to TiO ₂ nanoparticles in mice causes behavioral deficits with relevance to autism spectrum disorder	10.1038/s41398-018-0251-2	R

and beyond. TRANSLATIONAL PSYCHIATRY. 8		
Ding, DH; Chen, LL; Dong, SW; Cai, H; Chen, JF; Jiang, CL; Cai, TM. 2016. Natural ageing process accelerates the release of Ag from functional textile in various exposure scenarios. SCIENTIFIC REPORTS. 6	10.1038/srep37314	R
Montalvo-Quiros, S; Luque-Garcia, JL. 2019. Combination of bioanalytical approaches and quantitative proteomics for the elucidation of the toxicity mechanisms associated to TiO ₂ nanoparticles exposure in human keratinocytes. FOOD AND CHEMICAL TOXICOLOGY. 127	10.1016/j.fct.2019.03.036	R
Geiser, M; Jeannet, N; Fierz, M; Burtscher, H. 2017. Evaluating Adverse Effects of Inhaled Nanoparticles by Realistic In Vitro Technology. NANOMATERIALS. 7	10.3390/nano7020049	R
Pereira, LC; Pazin, M; Franco-Bernardes, MF; Martins, AD; Barcelos, GRM; Pereira, MC; Mesquita, JP; Rodrigues, JL; Barbosa, F; Dorta, DJ. 2018. A perspective of mitochondrial dysfunction in rats treated with silver and titanium nanoparticles (AgNPs and TiNPs). JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY. 47	10.1016/j.jtemb.2018.01.007	R
Bianco, C; Kezic, S; Visser, MJ; Pluut, O; Adami, G; Krystek, P. 2015. Pilot study on the identification of silver in skin layers and urine after dermal exposure to a functionalized textile. TALANTA. 136	10.1016/j.talanta.2014.12.043	R
Al-Doaiss, AA; Jarrar, Q; Alshehri, M; Jararr, B. 2020. In vivo study of silver nanomaterials' toxicity with respect to size. TOXICOLOGY AND INDUSTRIAL HEALTH. 36	10.1177/0748233720937201	R
Jatana, S; DeLouise, LA. 2014. Understanding engineered nanomaterial skin interactions and the modulatory effects of ultraviolet radiation skin exposure. WILEY INTERDISCIPLINARY	10.1002/wnan.1244	PR

REVIEWS-NANOMEDICINE AND NANOBIO TECHNOLOGY. 6		
Madl, AK; Unice, K; Kreider, M; Kovochich, M; Bebenek, IG; Abramson, MM. 2013. Health Risk Ranking Framework for the Life Cycle of Nanomaterial-Containing Products: Comparison of Industrial Versus Consumer Application Settings. INTERNATIONAL JOURNAL OF TOXICOLOGY. 32	Not available	PR
Nie, YG; Wang, JJ; Dai, H; Wang, J; Wang, MD; Cheng, L; Yang, Z; Chen, SP; Zhao, GP; Wu, LJ; Xu, A. 2020. UV-induced over time transformation of AgNPs in commercial wound dressings and adverse biological effects on <i>Caenorhabditis elegans</i> . NANOIMPACT. 17	10.1016/j.impact.2019.100193	R
Jain, AK; Senapati, VA; Singh, D; Dubey, K; Maurya, R; Pandey, AK. 2017. Impact of anatase titanium dioxide nanoparticles on mutagenic and genotoxic response in Chinese hamster lung fibroblast cells (V-79): The role of cellular uptake. FOOD AND CHEMICAL TOXICOLOGY. 105	10.1016/j.fct.2017.04.005	R
Netchareonsirisuk, P; Puthong, S; Dubas, S; Palaga, T; Komolpis, K. 2016. Effect of capping agents on the cytotoxicity of silver nanoparticles in human normal and cancer skin cell lines. JOURNAL OF NANOPARTICLE RESEARCH. 18	10.1007/s11051-016-3624-6	R
Kim, T; Park, J; Seo, J; Yoon, H; Lee, B; Lim, H; Lee, D; Kim, P; Yoon, C; Lee, K; Zoh, KD. 2020. Behavioral characteristics to airborne particles generated from commercial spray products. ENVIRONMENT INTERNATIONAL. 140	10.1016/j.envint.2020.105747	PR
Xu, LM; Bai, R; Cheng, X; Shao, AL; Chen, L; Qu, SX; Chen, CY. 2018. A Tiered Experimental Approach for Characterization and Silver Release of Silver-Containing Wound Dressings. JOURNAL OF BIOMEDICAL NANOTECHNOLOGY. 14	10.1166/jbn.2018.2534	R

Ivask, A; Titma, T; Visnapuu, M; Vija, H; Kakinen, A; Sihtmae, M; Pokhrel, S; Madler, L; Heinlaan, M; Kisand, V; Shimmo, R; Kahru, A. 2015. Toxicity of 11 Metal Oxide Nanoparticles to Three Mammalian Cell Types In Vitro. CURRENT TOPICS IN MEDICINAL CHEMISTRY. 15	10.2174/15680266 156661505061501 09	R
Kim, E; Lee, JH; Kim, JK; Lee, GH; Ahn, K; Park, JD; Yu, IJ. 2016. Case study on risk evaluation of printed electronics using nanosilver ink. NANO CONVERGENCE. 3	10.1186/s40580- 016-0065-y	R
Vance, ME; Marr, LC. 2015. Exposure to airborne engineered nanoparticles in the indoor environment. ATMOSPHERIC ENVIRONMENT. 106	10.1016/j.atmosen v.2014.12.056	PR
Cao, MJ; Li, JY; Tang, JL; Chen, CY; Zhao, YL. 2016. Gold Nanomaterials in Consumer Cosmetics Nanoproducts: Analyses, Characterization, and Dermal Safety Assessment. SMALL. 12	10.1002/smll.2016 01574	R
Tomankova, K; Horakova, J; Harvanova, M; Malina, L; Soukupova, J; Hradilova, S; Kejllova, K; Malohlava, J; Licman, L; Dvorakova, M; Jirova, D; Kolarova, H. 2015. Cytotoxicity, cell uptake and microscopic analysis of titanium dioxide and silver nanoparticles in vitro. FOOD AND CHEMICAL TOXICOLOGY. 82	10.1016/j.fct.2015. 03.027	R
Giovanni, M; Yue, JQ; Zhang, LF; Xie, JP; Ong, CN; Leong, DT. 2015. Pro-inflammatory responses of RAW264.7 macrophages when treated with ultralow concentrations of silver, titanium dioxide, and zinc oxide nanoparticles. JOURNAL OF HAZARDOUS MATERIALS. 297	10.1016/j.jhazmat. 2015.04.081	R
De Jong, WH; Van Der Ven, LTM; Sleijffers, A; Park, MVDZ; Jansen, EHJM; Van Loveren, H; Vandebriel, RJ. 2013. Systemic and immunotoxicity of silver nanoparticles in an intravenous 28 days repeated dose toxicity study in rats. BIOMATERIALS. 34	10.1016/j.biomateri als.2013.06.048	R

Khaydarov, RR; Khaydarov, RA; Evgrafova, S; Wagner, S; Cho, SY. 2011. Environmental and Human Health Issues of Silver Nanoparticles Applications. ENVIRONMENTAL SECURITY AND ECOTERRORISM.	10.1007/978-94-007-1235-5_9	R
Park, J; Ham, S; Jang, M; Lee, J; Kim, S; Kim, S; Lee, K; Park, D; Kwon, J; Kim, H; Kim, P; Choi, K; Yoon, C. 2017. Spatial-Temporal Dispersion of Aerosolized Nanoparticles During the Use of Consumer Spray Products and Estimates of Inhalation Exposure. ENVIRONMENTAL SCIENCE & TECHNOLOGY. 51	10.1021/acs.est.7b00211	PR
Crosera, M; Bovenzi, M; Maina, G; Adami, G; Zanette, C; Florio, C; Larese, FF. 2009. Nanoparticle dermal absorption and toxicity: a review of the literature. INTERNATIONAL ARCHIVES OF OCCUPATIONAL AND ENVIRONMENTAL HEALTH. 82	10.1007/s00420-009-0458-x	PR
Yang, YF; Wang, WM; Chen, CY; Lu, TH; Liao, CM. 2019. Assessing human exposure risk and lung disease burden posed by airborne silver nanoparticles emitted by consumer spray products. INTERNATIONAL JOURNAL OF NANOMEDICINE. 14	10.2147/IJN.S171510	R
Hansen, SF; Baun, A; Michelson, ES; Kamper, A; Borling, P; Stuer-Lauridsen, F. 2009. NANOMATERIALS IN CONSUMER PRODUCTS Categorization and Exposure Assessment. NANOMATERIALS: RISKS AND BENEFITS.	10.1007/978-1-4020-9491-0_28	PR
Quadros, ME; Marr, LC. 2010. Environmental and Human Health Risks of Aerosolized Silver Nanoparticles. JOURNAL OF THE AIR & WASTE MANAGEMENT ASSOCIATION. 60	10.3155/1047-3289.60.7.770	R
Keller, AA; Vosti, W; Wang, HT; Lazareva, A. 2014. Release of engineered nanomaterials from personal care products throughout their life cycle.	10.1007/s11051-014-2489-9	R

JOURNAL OF NANOPARTICLE RESEARCH. 16		
Monteiro-Riviere, NA; Riviere, JE. 2009. Interaction of nanomaterials with skin: Aspects of absorption and biodistribution. NANOTOXICOLOGY. 3	10.1080/17435390902906803	PR
Iavicoli, I; Leso, V; Fontana, L; Bergamaschi, A. 2011. Toxicological effects of titanium dioxide nanoparticles: a review of in vitro mammalian studies. EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES. 15	https://www.europeanreview.org/wp-content/uploads/937.pdf	R
Impellitteri, CA; Tolaymat, TM; Scheckel, KG. 2009. The Speciation of Silver Nanoparticles in Antimicrobial Fabric Before and After Exposure to a Hypochlorite/Detergent Solution. JOURNAL OF ENVIRONMENTAL QUALITY. 38	10.2134/jeq2008.0390	R
Turkez, H; Celik, K; Cakmak, B. 2013. Biosafety Evaluation of Nanoparticles in View of Genotoxicity and Carcinogenicity Studies: A Systematic Review. MATERIALS AND APPLICATIONS FOR SENSORS AND TRANSDUCERS II. 543	10.4028/www.scientific.net/KEM.543.200	R
Meena, R; Kajal, K; Paulraj, R. 2015. Cytotoxic and Genotoxic Effects of Titanium Dioxide Nanoparticles in Testicular Cells of Male Wistar Rat. APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY. 175	10.1007/s12010-014-1299-y	R
Heringa, MB; Peters, RJB; Bleys, RLAW; van der Lee, MK; Tromp, PC; van Kesteren, PCE; van Eijkeren, JCH; Undas, AK; Oomen, AG; Bouwmeester, H. 2018. Detection of titanium particles in human liver and spleen and possible health implications. PARTICLE AND FIBRE TOXICOLOGY. 15	10.1186/s12989-018-0251-7	R
Amenta, V; Pesudo, LQ; Aschberger, K. 2014. ARE CARBON NANOTUBES A SAFER ALTERNATIVE TO HALOGENATED FLAME RETARDANTS IN CONSUMER PRODUCTS?.	Not available	R

NANOCON 2013, 5TH INTERNATIONAL CONFERENCE.		
Lehmann, SG; Gilbert, B; Maffei, TGG; Grichine, A; Pignot-Paintrand, I; Clavaguera, S; Rachidi, W; Seve, M; Charlet, L. 2018. In Vitro Dermal Safety Assessment of Silver Nanowires after Acute Exposure: Tissue vs. Cell Models. NANOMATERIALS. 8	10.3390/nano8040232	R
House, JS; Bouzos, E; Fahy, KM; Francisco, VM; Lloyd, DT; Wright, FA; Motsinger-Reif, AA; Asuri, P; Wheeler, KE. 2020. Low-Dose Silver Nanoparticle Surface Chemistry and Temporal Effects on Gene Expression in Human Liver Cells. SMALL. 16	10.1002/smll.202000299	R
Manova, E; von Goetz, N; Keller, C; Siegrist, M; Hungerbuhler, K. 2013. Use Patterns of Leave-on Personal Care Products among Swiss-German Children, Adolescents, and Adults. INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH. 10	10.3390/ijerph10072778	R
Ng, CT; Ong, CN; Yu, LE; Bay, BH; Baeg, GH. 2019. Toxicity Study of Zinc Oxide Nanoparticles in Cell Culture and in Drosophila melanogaster. JOVE-JOURNAL OF VISUALIZED EXPERIMENTS.	10.3791/59510	R
Collins, A; Nasir, A. 2011. Nanotechnology and dermatology: benefits and pitfalls. GIORNALE ITALIANO DI DERMATOLOGIA E VENEREOLOGIA. 146	Not available	PR
Bencsik, A; Lestaevel, P. 2015. Concerns regarding nanosized titanium dioxide nasal exposure and neurotoxicity study by Ze et al.. JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A. 103	10.1002/jbm.a.35336	R
Hou, J; Wang, LY; Wang, CJ; Zhang, SL; Liu, HQ; Li, SG; Wang, XK. 2019. Toxicity and mechanisms of action of titanium dioxide nanoparticles in living organisms.	10.1016/j.jes.2018.06.010	R

JOURNAL OF ENVIRONMENTAL SCIENCES. 75		
Alsaleh, NB; Minarchick, VC; Mendoza, RP; Sharma, B; Podila, R; Brown, JM. 2019. Silver nanoparticle immunomodulatory potential in absence of direct cytotoxicity in RAW 264.7 macrophages and MPRO 2.1 neutrophils. JOURNAL OF IMMUNOTOXICOLOGY. 16	10.1080/1547691X.2019.1588928	R
Koponen, IK; Jensen, KA; Schneider, T. 2009. Sanding dust from nanoparticle-containing paints: physical characterisation. INHALED PARTICLES X. 151	10.1088/1742-6596/151/1/012048	R
Breznan, D; Nazemof, N; Kunc, F; Hill, M; Vladislavljevic, D; Gomes, J; Johnston, LJ; Vincent, R; Kumarathasan, P. 2020. Acellular oxidative potential assay for screening of amorphous silica nanoparticles. ANALYST. 145	10.1039/d0an00380h	R
Soares, EV; Soares, HMVM. 2021. Harmful effects of metal(loid) oxide nanoparticles. APPLIED MICROBIOLOGY AND BIOTECHNOLOGY. 105	10.1007/s00253-021-11124-1	R
Kumar, A; Najafzadeh, M; Jacob, BK; Dhawan, A; Anderson, D. 2015. Zinc oxide nanoparticles affect the expression of p53, Ras p21 and JNKs: an ex vivo/in vitro exposure study in respiratory disease patients. MUTAGENESIS. 30	10.1093/mutage/geu064	R
Prasath, S; Palaniappan, K. 2019. Is using nanosilver mattresses/pillows safe? A review of potential health implications of silver nanoparticles on human health. ENVIRONMENTAL GEOCHEMISTRY AND HEALTH. 41	10.1007/s10653-019-00240-7	R
Froggett, SJ; Clancy, SF; Boverhof, DR; Canady, RA. 2014. A review and perspective of existing research on the release of nanomaterials from solid nanocomposites. PARTICLE AND FIBRE TOXICOLOGY. 11	10.1186/1743-8977-11-17	PR

<p>Hu, B; Yang, RJ; Cheng, ZW; Liang, SJ; Liang, SX; Yin, NY; Faiola, F. 2020. Non-cytotoxic silver nanoparticle levels perturb human embryonic stem cell-dependent specification of the cranial placode in part via FGF signaling. JOURNAL OF HAZARDOUS MATERIALS. 393</p>	<p>10.1016/j.jhazmat.2020.122440</p>	<p>R</p>
<p>Garcia, EB; Alms, C; Hinman, AW; Kelly, C; Smith, A; Vance, M; Loncarek, J; Marr, LC; Cimini, D. 2019. Single-Cell Analysis Reveals that Chronic Silver Nanoparticle Exposure Induces Cell Division Defects in Human Epithelial Cells. INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH. 16</p>	<p>10.3390/ijerph1612061</p>	<p>R</p>
<p>Beani, JC. 2012. Solar protection products: Efficacy and risks. ANNALES DE DERMATOLOGIE ET DE VENEREOLOGIE. 139</p>	<p>10.1016/j.annder.2012.01.022</p>	<p>R</p>
<p>Roda, E; Barni, S; Milzani, A; Dalle-Donne, I; Colombo, G; Coccini, T. 2017. Single Silver Nanoparticle Instillation Induced Early and Persisting Moderate Cortical Damage in Rat Kidneys. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. 18</p>	<p>10.3390/ijms18102115</p>	<p>R</p>
<p>Afantitis, A; Melagraki, G; Tsoumanis, A; Valsami-Jones, E; Lynch, I. 2018. A nanoinformatics decision support tool for the virtual screening of gold nanoparticle cellular association using protein corona fingerprints. NANOTOXICOLOGY. 12</p>	<p>10.1080/17435390.2018.1504998</p>	<p>R</p>
<p>Saunders, M. 2009. Transplacental transport of nanomaterials. WILEY INTERDISCIPLINARY REVIEWS-NANOMEDICINE AND NANOBIO TECHNOLOGY. 1</p>	<p>10.1002/wnan.53</p>	<p>PR</p>
<p>Di Giampaolo, L; Zaccariello, G; Benedetti, A; Vecchiotti, G; Caposano, F; Sabbioni, E; Groppi, F; Manenti, S; Niu, Q; Poma, AMG; Di Gioacchino, M; Petrarca, C. 2021. Genotoxicity and Immunotoxicity of Titanium Dioxide-Embedded Mesoporous Silica</p>	<p>10.3390/nano11020270</p>	<p>R</p>

Nanoparticles (TiO ₂ @MSN) in Primary Peripheral Human Blood Mononuclear Cells (PBMC). NANOMATERIALS. 11		
Braakhuis, HM; Park, MVDZ; Gosens, I; De Jong, WH; Cassee, FR. 2014. Physicochemical characteristics of nanomaterials that affect pulmonary inflammation. PARTICLE AND FIBRE TOXICOLOGY. 11	10.1186/1743-8977-11-18	R
Sruthi, S; Mohanan, PV. 2016. Engineered Zinc Oxide Nanoparticles; Biological Interactions at the Organ Level. CURRENT MEDICINAL CHEMISTRY. 23	10.2174/0929867323666160607224628	R
Basniwal, RK; Bhatia, V; Bhardwaj, N; Jain, VK. 2014. Toxicity Study of TiO ₂ , ZnO & CNT Nanomaterials. PHYSICS OF SEMICONDUCTOR DEVICES.	10.1007/978-3-319-03002-9_181	R
Nallanthighal, S; Chan, C; Bharali, DJ; Mousa, SA; Vasquez, E; Reliene, R. 2017. Particle coatings but not silver ions mediate genotoxicity of ingested silver nanoparticles in a mouse model. NANOIMPACT. 5	10.1016/j.impact.2017.01.003	R
Medici, S; Peana, M; Pelucelli, A; Zoroddu, MA. 2021. An updated overview on metal nanoparticles toxicity. SEMINARS IN CANCER BIOLOGY. 76	10.1016/j.semcancer.2021.06.020	PR
De Berardis, B; Marchetti, M; Risuglia, A; Ietto, F; Fanizza, C; Superti, F. 2020. Exposure to airborne gold nanoparticles: a review of current toxicological data on the respiratory tract. JOURNAL OF NANOPARTICLE RESEARCH. 22	10.1007/s11051-020-04966-9	R
Souza, MR; Mazaro-Costa, R; Rocha, TL. 2021. Can nanomaterials induce reproductive toxicity in male mammals? A historical and critical review. SCIENCE OF THE TOTAL ENVIRONMENT. 769	10.1016/j.scitotenv.2020.144354	R
Deweirdt, J; Ducret, T; Quignard, JF; Freund-Michel, V; Lacomme, S; Gontier, E; Muller, B; Marthan, R; Guibert, C; Baudrimont, I. 2022. Effects of FW2 Nanoparticles Toxicity in a New In Vitro Pulmonary Vascular Cells Model	10.1007/s12012-021-09679-6	R

Mimicking Endothelial Dysfunction. CARDIOVASCULAR TOXICOLOGY . 22		
Silva, RM; Anderson, DS; Franzi, LM; Peake, JL; Edwards, PC; Van Winkle, LS; Pinkerton, KE. 2015. Pulmonary Effects of Silver Nanoparticle Size, Coating, and Dose over Time upon Intratracheal Instillation. TOXICOLOGICAL SCIENCES . 144	10.1093/toxsci/kfu265	R
Natarajan, V; Wilson, CL; Hayward, SL; Kidambi, S. 2015. Titanium Dioxide Nanoparticles Trigger Loss of Function and Perturbation of Mitochondrial Dynamics in Primary Hepatocytes. PLOS ONE . 10	10.1371/journal.pone.0134541	R
Zhang, F; Durham, P; Sayes, CM; Lau, BLT; Bruce, ED. 2015. Particle uptake efficiency is significantly affected by type of capping agent and cell line. JOURNAL OF APPLIED TOXICOLOGY . 35	10.1002/jat.3138	R
Dabrowska-Bouta, B; Sulkowski, G; Struzynski, W; Struzynska, L. 2019. Prolonged Exposure to Silver Nanoparticles Results in Oxidative Stress in Cerebral Myelin. NEUROTOXICITY RESEARCH . 35	10.1007/s12640-018-9977-0	R
Johnston, HJ; Hutchison, GR; Christensen, FM; Peters, S; Hankin, S; Stone, V. 2009. Identification of the mechanisms that drive the toxicity of TiO ₂ particulates: the contribution of physicochemical characteristics. PARTICLE AND FIBRE TOXICOLOGY . 6	10.1186/1743-8977-6-33	R
Song, B; Zhou, T; Yang, WL; Liu, J; Shao, LQ. 2016. Contribution of oxidative stress to TiO ₂ nanoparticle-induced toxicity. ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY . 48	10.1016/j.etap.2016.10.013	R
Xiong, ZY; Liu, L; Zhang, ZL; Cao, LH; Cao, D; Du, ZX; Tang, Y. 2022. Unravelling the role of surface modification in the dermocompatibility of silver nanoparticles in vitro and in vivo. CHEMOSPHERE . 291	10.1016/j.chemosphere.2021.133111	R

Pogribna, M; Koonce, NA; Mathew, A; Word, B; Patri, AK; Lyn-Cook, B; Hammons, G. 2020. Effect of titanium dioxide nanoparticles on DNA methylation in multiple human cell lines. NANOTOXICOLOGY. 14	10.1080/17435390.2020.1723730	R
Dabrowska-Bouta, B; Sulkowski, G; Salek, M; Gewartowska, M; Sidoryk-Wegrzynowicz, M; Struzynska, L. 2020. Early Postnatal Exposure to a Low Dose of Nanoparticulate Silver Induces Alterations in Glutamate Transporters in Brain of Immature Rats. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. 21	10.3390/ijms21238977	R
Pang, CF; Zhang, PH; Mu, YS; Ren, JZ; Zhao, B. 2020. Transformation and Cytotoxicity of Surface-Modified Silver Nanoparticles Undergoing Long-Term Aging. NANOMATERIALS. 10	10.3390/nano10112255	R
Zhang, XF; Gurunathan, S; Kim, JH. 2015. Effects of silver nanoparticles on neonatal testis development in mice. INTERNATIONAL JOURNAL OF NANOMEDICINE. 10	10.2147/IJN.S90733	R
Boland, S; Hussain, S; Baeza-Squiban, A. 2014. Carbon black and titanium dioxide nanoparticles induce distinct molecular mechanisms of toxicity. WILEY INTERDISCIPLINARY REVIEWS-NANOMEDICINE AND NANOBIO TECHNOLOGY. 6	10.1002/wnan.1302	R
RJiang, XM; Foldbjerg, R; Miclaus, T; Wang, LM; Singh, R; Hayashi, Y; Sutherland, D; Chen, CY; Autrup, H; Beer, C. 2013. Multi-platform genotoxicity analysis of silver nanoparticles in the model cell line CHO-K1. TOXICOLOGY LETTERS. 222	10.1016/j.toxlet.2013.07.011	R
Filon, FL; Mauro, M; Adami, G; Bovenzi, M; Crosera, M. 2015. Nanoparticles skin absorption: New aspects for a safety profile evaluation. REGULATORY TOXICOLOGY AND PHARMACOLOGY. 72	10.1016/j.yrtph.2015.05.005	PR

Gautam, A; Rakshit, M; Nguyen, KT; Kathawala, MH; Nguyen, LTH; Tay, CY; Wong, E; Ng, KW. 2019. Understanding the implications of engineered nanoparticle induced autophagy in human epidermal keratinocytes in vitro. NANOIMPACT. 15	10.1016/j.impact.2019.100177	R
Gaiser, BK; Hirn, S; Kermanizadeh, A; Kanase, N; Fytianos, K; Wenk, A; Haberl, N; Brunelli, A; Kreyling, WG; Stone, V. 2013. Effects of Silver Nanoparticles on the Liver and Hepatocytes In Vitro. TOXICOLOGICAL SCIENCES. 131	10.1093/toxsci/kfs306	R
Lee, HY; Choi, YJ; Jung, EJ; Yin, HQ; Kwon, JT; Kim, JE; Im, HT; Cho, MH; Kim, JH; Kim, HY; Lee, BH. 2010. Genomics-based screening of differentially expressed genes in the brains of mice exposed to silver nanoparticles via inhalation. JOURNAL OF NANOPARTICLE RESEARCH. 12	10.1007/s11051-009-9666-2	R
Yu, XH; Zhao, XY; Ze, YG; Wang, L; Liu, D; Hong, J; Xu, BQ; Lin, A; Zhang, C; Zhao, Y; Li, BY; Hong, FS. 2014. Changes of serum parameters of TiO ₂ nanoparticle-induced atherosclerosis in mice. JOURNAL OF HAZARDOUS MATERIALS. 280	10.1016/j.jhazmat.2014.08.015	R
Lyapina, M; Cekova, M; Deliverska, M; Galabov, J; Kisselova, A. 2017. IMMUNOTOXICOLOGICAL ASPECTS OF BIOCOMPATIBILITY OF TITANIUM. JOURNAL OF IMAB. 23	10.5272/jimab.2017232.1550	R
Kuang, HJ; Zhang, WY; Yang, L; Aguilar, ZP; Xu, HY. 2021. Reproductive organ dysfunction and gene expression after orally administration of ZnO nanoparticles in murine. ENVIRONMENTAL TOXICOLOGY. 36	10.1002/tox.23060	R
Xu, F. 2018. Review of analytical studies on TiO ₂ nanoparticles and particle aggregation, coagulation, flocculation, sedimentation, stabilization. CHEMOSPHERE. 212	10.1016/j.chemosphere.2018.08.108	R

Vijayakumar, S; Chen, JD; Amarnath, M; Tungare, K; Bhorl, M; Divya, M; Gonzalez-Sanchez, ZI; Duran-Lara, EF; Vaseeharan, B. 2021. Cytotoxicity, phytotoxicity, and photocatalytic assessment of biopolymer cellulose-mediated silver nanoparticles. COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS. 628	10.1016/j.colsurfa.2021.127270	R
Cumberland, SA; Lead, JR. 2009. Particle size distributions of silver nanoparticles at environmentally relevant conditions. JOURNAL OF CHROMATOGRAPHY A. 1216	10.1016/j.chroma.2009.07.021	R
Adler, BL; DeLeo, VA. 2020. Sunscreen Safety: a Review of Recent Studies on Humans and the Environment. CURRENT DERMATOLOGY REPORTS. 9	10.1007/s13671-020-00284-4	R
Ogunsuyi, O; Ogunsuyi, O; Akanni, O; Alabi, O; Alimba, C; Adaramoye, O; Cambier, S; Eswara, S; Gutleb, AC; Bakare, A. 2022. Physiological and histopathological alterations in male Swiss mice after exposure to titanium dioxide (anatase) and zinc oxide nanoparticles and their binary mixture. DRUG AND CHEMICAL TOXICOLOGY. 45	10.1080/01480545.2020.1811720	R
Baber, O; Jang, M; Barber, D; Powers, K. 2011. Amorphous silica coatings on magnetic nanoparticles enhance stability and reduce toxicity to in vitro BEAS-2B cells. INHALATION TOXICOLOGY. 23	10.3109/08958378.2011.592869	R
Cho, WS; Duffin, R; Howie, SEM; Scotton, CJ; Wallace, WAH; MacNee, W; Bradley, M; Megson, IL; Donaldson, K. 2011. Progressive severe lung injury by zinc oxide nanoparticles; the role of Zn ²⁺ dissolution inside lysosomes. PARTICLE AND FIBRE TOXICOLOGY. 8	10.1186/1743-8977-8-27	R
Abdelkhalig, A; van der Zande, M; Peters, RJB; Bouwmeester, H. 2020. Combination of the BeWo b30 placental	10.1186/s12989-020-00342-6	R

transport model and the embryonic stem cell test to assess the potential developmental toxicity of silver nanoparticles. PARTICLE AND FIBRE TOXICOLOGY. 17		
de Oliveira, IM; Cavallin, MD; Correa, DED; Razera, A; Mariano, DD; Ferreira, F; Romano, MA; Romano, RM. 2020. Proteomic Profiles of Thyroid Gland and Gene Expression of the Hypothalamic-Pituitary-Thyroid Axis Are Modulated by Exposure to AgNPs during Prepubertal Rat Stages. CHEMICAL RESEARCH IN TOXICOLOGY. 33	10.1021/acs.chemrestox.0c00250	R
Braakhuis, HM; Kloet, SK; Kezic, S; Kuper, F; Park, MVDZ; Bellmann, S; van der Zande, M; Le Gac, S; Krystek, P; Peters, RJB; Rietjens, IMCM; Bouwmeester, H. 2015. Progress and future of in vitro models to study translocation of nanoparticles. ARCHIVES OF TOXICOLOGY. 89	10.1007/s00204-015-1518-5	R
Song, B; Liu, J; Feng, XL; Wei, M; Shao, LQ. 2015. A review on potential neurotoxicity of titanium dioxide nanoparticles. NANOSCALE RESEARCH LETTERS. 10	10.1186/s11671-015-1042-9	R
Lai, KX; Looi, SW; Li, MF; Ilci, F; Naushad, H; Gernand, J. 2021. Characterization of User PM Exposure During the Application of Aerosol Mineral-Based Sunscreens Shows Minimal Risk. AEROSOL SCIENCE AND ENGINEERING. 5	10.1007/s41810-020-00079-x	R
Silva, RM; Xu, JY; Saiki, C; Anderson, DS; Franzi, LM; Vulpe, CD; Gilbert, B; Van Winkle, LS; Pinkerton, KE. 2014. Short versus long silver nanowires: a comparison of in vivo pulmonary effects post instillation. PARTICLE AND FIBRE TOXICOLOGY. 11	10.1186/s12989-014-0052-6	R
Baisch, BL; Corson, NM; Wade-Mercer, P; Gelein, R; Kennell, AJ; Oberdorster, G; Elder, A. 2014. Equivalent titanium dioxide nanoparticle deposition by intratracheal instillation and whole body	10.1186/1743-8977-11-5	R

inhalation: the effect of dose rate on acute respiratory tract inflammation. PARTICLE AND FIBRE TOXICOLOGY. 11		
Dziendzikowska, K; Krawczynska, A; Oczkowski, M; Krolkowski, T; Brzoska, K; Lankoff, A; Dziendzikowski, M; Stepkowski, T; Kruszewski, M; Gromadzka-Ostrowska, J. 2016. Progressive effects of silver nanoparticles on hormonal regulation of reproduction in male rats. TOXICOLOGY AND APPLIED PHARMACOLOGY. 313	10.1016/j.taap.2016.10.013	R
Samberg, ME; Oldenburg, SJ; Monteiro-Riviere, NA. 2010. Evaluation of Silver Nanoparticle Toxicity in Skin in Vivo and Keratinocytes in Vitro. ENVIRONMENTAL HEALTH PERSPECTIVES. 118	10.1289/ehp.0901398	R
Kreyling, WG; Holzwarth, U; Schleh, C; Hirn, S; Wenk, A; Schaffler, M; Haberl, N; Semmler-Behnke, M; Gibson, N. 2019. Quantitative biokinetics over a 28day period of freshly generated, pristine, 20 nm titanium dioxide nanoparticle aerosols in healthy adult rats after a single two-hour inhalation exposure. PARTICLE AND FIBRE TOXICOLOGY. 16	10.1186/s12989-019-0303-7	R

Supplementary Information 4: Literature Search for Research Question 2 What are the potential physical and chemical safety issues relating to the use of metal and non-metal nanomaterials in consumer products on/to be placed on the UK market and the associated risks? Search 5

Reference	DOI/text hyperlink	Relevant (R)/ Possibly Relevant or useful (PR)
Jonaitis, TS; Card, JW; Magnuson, B. 2010. Concerns regarding nano-sized titanium dioxide dermal penetration and toxicity study. TOXICOLOGY LETTERS. 192	10.1016/j.toxlet.2009.10.007	R
Luo, Z; Li, ZQ; Xie, Z; Sokolova, IM; Song, L; Peijnenburg, WJGM; Hu, MH; Wang, YJ. 2020. Rethinking Nano-TiO ₂ Safety: Overview of Toxic Effects in Humans and Aquatic Animals. SMALL. 16	10.1002/smll.202002019	R
Spisni, E; Seo, S; Joo, SH; Su, C. 2016. Release and toxicity comparison between industrial- and sunscreen-derived nano-ZnO particles. INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY. 13	10.1007/s13762-016-1077-1	R
Solaiman, SM; Algie, J; Bakand, S; Sluyter, R; Sencadas, V; Lerch, M; Huang, XF; Konstantinov, K; Barker, PJ. 2019. Nano-sunscreens - a double-edged sword in protecting consumers from harm: viewing Australian regulatory policies through the lenses of the European Union. CRITICAL REVIEWS IN TOXICOLOGY. 49	10.1080/10408444.2019.1579780	R
Hicks, AL; Temizel-Sekeryan, S. 2019. Understanding the potential environmental benefits of nanosilver enabled consumer products. NANOIMPACT. 16	10.1016/j.impact.2019.100183	R

Pearce, K; Goldsmith, WT; Greenwald, R; Yang, C; Mainelis, G; Wright, C. 2019. Characterization of an aerosol generation system to assess inhalation risks of aerosolized nano-enabled consumer products. INHALATION TOXICOLOGY. 31	10.1080/08958378.2019.1685613	PR
Pini, M; Salieri, B; Ferrari, AM; Nowack, B; Hischer, R. 2016. Human health characterization factors of nano-TiO ₂ for indoor and outdoor environments. INTERNATIONAL JOURNAL OF LIFE CYCLE ASSESSMENT. 21	10.1007/s11367-016-1115-8	R
Watson-Wright, C; Singh, D; Demokritou, P. 2017. Toxicological implications of released particulate matter during thermal decomposition of nano-enabled thermoplastics. NANOIMPACT. 5	10.1016/j.impact.2016.12.003	R
Temizel-Sekeryan, S; Hicks, AL. 2020. Emerging investigator series: calculating size- and coating-dependent effect factors for silver nanoparticles to inform characterization factor development for usage in life cycle assessment. ENVIRONMENTAL SCIENCE-NANO. 7	10.1039/d0en00675k	R
Shahbazzadeh, D; Ahari, H; Motalebi, AA; Anvar, AA; Moaddab, S; Asadi, T; Shokrgozar, MA; Rahman-Nya, J. 2011. In vitro effect of Nanosilver toxicity on fibroblast and mesenchymal stem cell lines. IRANIAN JOURNAL OF FISHERIES SCIENCES. 10	https://jifro.ir/article-1-220-en.pdf	R
Papavlassopoulos, H; Mishra, YK; Kaps, S; Paulowicz, I; Abdelaziz, R; Elbahri, M; Maser, E; Adlung, R; Rohl, C. 2014. Toxicity of Functional Nano-Micro Zinc Oxide Tetrapods: Impact of Cell Culture Conditions, Cellular Age and Material Properties. PLOS ONE. 9	10.1371/journal.pone.0084983	R
Peretz, Y; Malishev, R; Kolusheva, S; Jelinek, R. 2018. Nanoparticles modulate membrane interactions of human Islet amyloid polypeptide (hIAPP). BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES. 1860	10.1016/j.bbamem.2018.03.029	R

Bierkandt, FS; Leibrock, L; Wagener, S; Laux, P; Luch, A. 2018. The impact of nanomaterial characteristics on inhalation toxicity. TOXICOLOGY RESEARCH. 7	10.1039/c7tx00242d	PR
Yang, Y; Westerhoff, P. 2014. Presence in, and Release of, Nanomaterials from Consumer Products. NANOMATERIAL: IMPACTS ON CELL BIOLOGY AND MEDICINE. 811	10.1007/978-94-017-8739-0_1	PR
Kumar, A; Pandey, AK; Singh, SS; Shanker, R; Dhawan, A. 2011. Engineered ZnO and TiO ₂ nanoparticles induce oxidative stress and DNA damage leading to reduced viability of Escherichia coli. FREE RADICAL BIOLOGY AND MEDICINE. 51	10.1016/j.freeradbio med.2011.08.025	R
Lee, YH; Cheng, FY; Chiu, HW; Tsai, JC; Fang, CY; Chen, CW; Wang, YJ. 2014. Cytotoxicity, oxidative stress, apoptosis and the autophagic effects of silver nanoparticles in mouse embryonic fibroblasts. BIOMATERIALS. 35	10.1016/j.biomateria ls.2014.02.021	R
Holbrook, RD; Rykaczewski, K; Staymates, ME. 2014. Dynamics of silver nanoparticle release from wound dressings revealed via in situ nanoscale imaging. JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE. 25	10.1007/s10856-014-5265-6	R
Jatana, S; DeLouise, LA. 2014. Understanding engineered nanomaterial skin interactions and the modulatory effects of ultraviolet radiation skin exposure. WILEY INTERDISCIPLINARY REVIEWS-NANOMEDICINE AND NANOBIO TECHNOLOGY. 6	10.1002/wnan.1244	PR
Marchioni, M; Jouneau, PH; Chevallet, M; Michaud-Soret, I; Deniaud, A. 2018. Silver nanoparticle fate in mammals: Bridging in vitro and in vivo studies. COORDINATION CHEMISTRY REVIEWS. 364	10.1016/j.ccr.2018.03.008	R
Jain, AK; Senapati, VA; Singh, D; Dubey, K; Maurya, R; Pandey, AK. 2017. Impact of anatase titanium dioxide nanoparticles on mutagenic and genotoxic response in Chinese hamster lung fibroblast cells (V-	10.1016/j.fct.2017.04.005	R

79): The role of cellular uptake. FOOD AND CHEMICAL TOXICOLOGY. 105		
Shi, JP; Sun, X; Zou, XY; Zhang, HW. 2014. Amino acid-dependent transformations of citrate-coated silver nanoparticles: Impact on morphology, stability and toxicity. TOXICOLOGY LETTERS. 229	10.1016/j.toxlet.2014.06.014	R
Strickland, JD; LeFew, WR; Crooks, J; Hall, D; Ortenzio, JNR; Dreher, K; Shafer, TJ. 2016. In vitro screening of silver nanoparticles and ionic silver using neural networks yields differential effects on spontaneous activity and pharmacological responses. TOXICOLOGY. 355	10.1016/j.tox.2016.05.009	R
Gatoo, MA; Naseem, S; Arfat, MY; Dar, AM; Qasim, K; Zubair, S. 2014. Physicochemical Properties of Nanomaterials: Implication in Associated Toxic Manifestations. BIOMED RESEARCH INTERNATIONAL. 2014	10.1155/2014/498420	PR
Sun, JL; Zhang, Q; Wang, ZP; Yan, B. 2013. Effects of Nanotoxicity on Female Reproductivity and Fetal Development in Animal Models. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. 14	10.3390/ijms14059319	PR
Gorka, DE; Lin, NJ; Pettibone, JM; Gorham, JM. 2019. Chemical and physical transformations of silver nanomaterial containing textiles after modeled human exposure. NANOIMPACT. 14	10.1016/j.impact.2019.100160	R
Dabrowska-Bouta, B; Sulkowski, G; Orzelska-Gorka, J; Struzynska, L; Kedzierska, E; Biala, G. 2021. Response of immature rats to a low dose of nanoparticulate silver: Alterations in behavior, cerebral vasculature-related transcriptome and permeability. ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY. 208	10.1016/j.ecoenv.2020.111416	R
Czyzowska, A; Barbasz, A. 2022. A review: zinc oxide nanoparticles - friends or enemies?. INTERNATIONAL JOURNAL	10.1080/09603123.2020.1805415	R

OF ENVIRONMENTAL HEALTH RESEARCH. 32		
Crosera, M; Bovenzi, M; Maina, G; Adami, G; Zanette, C; Florio, C; Larese, FF. 2009. Nanoparticle dermal absorption and toxicity: a review of the literature. INTERNATIONAL ARCHIVES OF OCCUPATIONAL AND ENVIRONMENTAL HEALTH. 82	10.1007/s00420-009-0458-x	PR
Egambaram, OP; Pillai, SK; Ray, SS. 2020. Materials Science Challenges in Skin UV Protection: A Review. PHOTOCHEMISTRY AND PHOTOBIOLOGY. 96	10.1111/php.13208	R
Yao, MF; He, LL; McClements, DJ; Xiao, H. 2015. Uptake of Gold Nanoparticles by Intestinal Epithelial Cells: Impact of Particle Size on Their Absorption, Accumulation, and Toxicity. JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY. 63	10.1021/acs.jafc.5b03242	R
Jalili, P; Gueniche, N; Lancelleur, R; Burel, A; Lavault, MT; Sieg, H; Bohmert, L; Meyer, T; Krause, BC; Lampen, A; Estrela-Lopis, I; Laux, P; Luch, A; Hogeveen, K; Fessard, V. 2018. Investigation of the in vitro genotoxicity of two rutile TiO ₂ nanomaterials in human intestinal and hepatic cells and evaluation of their interference with toxicity assays. NANOIMPACT. 11	10.1016/j.impact.2018.02.004	R
Otero-Gonzalez, L; Sierra-Alvarez, R; Boitano, S; Field, JA. 2012. Application and Validation of an Impedance-Based Real Time Cell Analyzer to Measure the Toxicity of Nanoparticles Impacting Human Bronchial Epithelial Cells. ENVIRONMENTAL SCIENCE & TECHNOLOGY. 46	10.1021/es301599f	R
Fernandez-Cruz, ML; Lammel, T; Connolly, M; Conde, E; Barrado, AI; Derick, S; Perez, Y; Fernandez, M; Furger, C; Navas, JM. 2013. Comparative cytotoxicity induced by bulk and nanoparticulated ZnO in the fish and	10.3109/17435390.2012.676098	R

human hepatoma cell lines PLHC-1 and Hep G2. NANOTOXICOLOGY. 7		
Love, SA; Thompson, JW; Haynes, CL. 2012. Development of screening assays for nanoparticle toxicity assessment in human blood: preliminary studies with charged Au nanoparticles. NANOMEDICINE. 7	10.2217/NNM.12.17	R
Campagnolo, L; Massimiani, M; Vecchione, L; Piccirilli, D; Toschi, N; Magrini, A; Bonanno, E; Scimeca, M; Castagnozzi, L; Buonanno, G; Stabile, L; Cubadda, F; Aureli, F; Fokkens, PHB; Kreyling, WG; Cassee, FR; Pietroiusti, A. 2017. Silver nanoparticles inhaled during pregnancy reach and affect the placenta and the foetus. NANOTOXICOLOGY. 11	10.1080/17435390.2017.1343875	R
Biskos, G; Schmidt-Ott, A. 2012. Airborne Engineered Nanoparticles: Potential Risks and Monitoring Challenges for Assessing their Impacts on Children. PAEDIATRIC RESPIRATORY REVIEWS. 13	10.1016/j.prrv.2011.05.011	R
Sardari, RRR; Zarchi, SR; Talebi, A; Nasri, S; Imani, S; Khoradmehr, A; Sheshde, SAR. 2012. Toxicological effects of silver nanoparticles in rats. AFRICAN JOURNAL OF MICROBIOLOGY RESEARCH. 6	10.5897/AJMR11.1070	R
Jiang, XM; Wu, Y; Gray, P; Zheng, JW; Cao, GJ; Zhang, H; Zhang, XW; Boudreau, M; Croley, TR; Chen, CY; Yin, JJ. 2018. Influence of gastrointestinal environment on free radical generation of silver nanoparticles and implications for their cytotoxicity. NANOIMPACT. 10	10.1016/j.impact.2018.04.001	R
Filippi, C; Pryde, A; Cowan, P; Lee, T; Hayes, P; Donaldson, K; Plevris, J; Stone, V. 2015. Toxicology of ZnO and TiO2 nanoparticles on hepatocytes: Impact on metabolism and bioenergetics. NANOTOXICOLOGY. 9	10.3109/17435390.2014.895437	R
Johnson, MM; Mendoza, R; Raghavendra, AJ; Podila, R; Brown, JM. 2017. Contribution of engineered nanomaterials	10.1038/srep43570	PR

physicochemical properties to mast cell degranulation. SCIENTIFIC REPORTS. 7		
Comfort, KK; Maurer, EI; Hussain, SM. 2014. Slow release of ions from internalized silver nanoparticles modifies the epidermal growth factor signaling response. COLLOIDS AND SURFACES B-BIOINTERFACES. 123	10.1016/j.colsurfb.2014.09.008	R
Ahmed, KBR; Nagy, AM; Brown, RP; Zhang, Q; Malghan, SG; Goering, PL. 2017. Silver nanoparticles: Significance of physicochemical properties and assay interference on the interpretation of in vitro cytotoxicity studies. TOXICOLOGY IN VITRO. 38	10.1016/j.tiv.2016.10.012	R
Pang, CF; Zhang, PH; Mu, YS; Ren, JZ; Zhao, B. 2020. Transformation and Cytotoxicity of Surface-Modified Silver Nanoparticles Undergoing Long-Term Aging. NANOMATERIALS. 10	10.3390/nano10112255	R
Persaud, I; Raghavendra, AJ; Paruthi, A; Alsaleh, NB; Minarchick, VC; Roede, JR; Podila, R; Brown, JM. 2020. Defect-induced electronic states amplify the cellular toxicity of ZnO nanoparticles. NANOTOXICOLOGY. 14	10.1080/17435390.2019.1668067	R
Carrola, J; Bastos, V; de Oliveira, JMPF; Oliveira, H; Santos, C; Gil, AM; Duarte, IF. 2016. Insights into the impact of silver nanoparticles on human keratinocytes metabolism through NMR metabolomics. ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS. 589	10.1016/j.abb.2015.08.022	R
Mortensen, NP; Caffaro, MM; Patel, PR; Uddin, MJ; Aravamudhan, S; Sumner, SJ; Fennell, TR. 2020. Investigation of twenty metal, metal oxide, and metal sulfide nanoparticles' impact on differentiated Caco-2 monolayer integrity. NANOIMPACT. 17	10.1016/j.impact.2020.100212	R
Tavares, AM; Louro, H; Antunes, S; Quarre, S; Simar, S; De Temmerman, PJ; Verleysen, E; Mast, J; Jensen, KA; Norppa, H; Nessler, F; Silva, MJ. 2014.	10.1016/j.tiv.2013.06.009	R

Genotoxicity evaluation of nanosized titanium dioxide, synthetic amorphous silica and multi-walled carbon nanotubes in human lymphocytes. TOXICOLOGY IN VITRO. 28		
Chevallet, M; Gallet, B; Fuchs, A; Jouneau, PH; Um, K; Mintz, E; Michaud-Soret, I. 2016. Metal homeostasis disruption and mitochondrial dysfunction in hepatocytes exposed to sub-toxic doses of zinc oxide nanoparticles. NANOSCALE. 8	10.1039/c6nr05306h	R
De Berardis, B; Marchetti, M; Risuglia, A; Ietto, F; Fanizza, C; Superti, F. 2020. Exposure to airborne gold nanoparticles: a review of current toxicological data on the respiratory tract. JOURNAL OF NANOPARTICLE RESEARCH. 22	10.1007/s11051-020-04966-9	R
Williams, KM; Gokulan, K; Cerniglia, CE; Khare, S. 2016. Size and dose dependent effects of silver nanoparticle exposure on intestinal permeability in an in vitro model of the human gut epithelium. JOURNAL OF NANOBIO TECHNOLOGY. 14	10.1186/s12951-016-0214-9	R
Aude-Garcia, C; Villiers, F; Collin-Faure, V; Pernet-Gallay, K; Jouneau, PH; Sorieul, S; Mure, G; Gerdil, A; Herlin-Boime, N; Carriere, M; Rabilloud, T. 2016. Different in vitro exposure regimens of murine primary macrophages to silver nanoparticles induce different fates of nanoparticles and different toxicological and functional consequences. NANOTOXICOLOGY. 10	10.3109/17435390.2015.1104738	R
Argentiere, S; Cella, C; Cesaria, M; Milani, P; Lenardi, C. 2016. Silver nanoparticles in complex biological media: assessment of colloidal stability and protein corona formation. JOURNAL OF NANOPARTICLE RESEARCH. 18	10.1007/s11051-016-3560-5	R
Rossner, P; Vrbova, K; Strapacova, S; Rossnerova, A; Ambroz, A; Brzicova, T; Libalova, H; Javorkova, E; Kulich, P; Vecera, Z; Mikuska, P; Coufalik, P; Krumal, K; Capka, L; Docekal, B; Moravec, P; Sery, O; Misek, I; Fictum, P; Fiser, K; Machala, M; Topinka, J. 2019. Inhalation of ZnO Nanoparticles: Splice Junction	10.1093/toxsci/kfy288	R

Expression and Alternative Splicing in Mice. TOXICOLOGICAL SCIENCES. 168		
Zijno, A; Cavallo, D; Di Felice, G; Ponti, J; Barletta, B; Butteroni, C; Corinti, S; De Berardis, B; Palamides, J; Ursini, CL; Freseigna, AM; Ciervo, A; Maiello, R; Barone, F. 2020. Use of a common European approach for nanomaterials' testing to support regulation: a case study on titanium and silicon dioxide representative nanomaterials. JOURNAL OF APPLIED TOXICOLOGY. 40	10.1002/jat.4002	R
Belade, E; Chrusciel, S; Armand, L; Simon-Deckers, A; Bussy, C; Caramelle, P; Gagliolo, JM; Boyer, L; Lanone, S; Pairon, JC; Kermanizadeh, A; Boczkowski, J. 2015. The role of p53 in lung macrophages following exposure to a panel of manufactured nanomaterials. ARCHIVES OF TOXICOLOGY. 89	10.1007/s00204-014-1324-5	R
Wilson, CL; Natarajan, V; Hayward, SL; Khalimonchuk, O; Kidambi, S. 2015. Mitochondrial dysfunction and loss of glutamate uptake in primary astrocytes exposed to titanium dioxide nanoparticles. NANOSCALE. 7	10.1039/c5nr03646a	R
Mirshafiee, V; Sun, BB; Chang, CH; Liao, YP; Jiang, W; Jiang, JH; Liu, XS; Wang, X; Xia, T; Nel, AE. 2018. Toxicological Profiling of Metal Oxide Nanoparticles in Liver Context Reveals Pyroptosis in Kupffer Cells and Macrophages versus Apoptosis in Hepatocytes. ACS NANO. 12	10.1021/acsnano.8b01086	PR
Kermanizadeh, A; Chauche, C; Balharry, D; Brown, DM; Kanase, N; Boczkowski, J; Lanone, S; Stone, V. 2014. The role of Kupffer cells in the hepatic response to silver nanoparticles. NANOTOXICOLOGY. 8	10.3109/17435390.2013.866284	R
Jayaram, DT; Kumar, A; Kippner, LE; Ho, PY; Kemp, ML; Fan, YH; Payne, CK. 2019. TiO2 nanoparticles generate superoxide and alter gene expression in human lung cells. RSC ADVANCES. 9	10.1039/c9ra04037d	R

Biola-Clier, M; Gaillard, JC; Rabilloud, T; Armengaud, J; Carriere, M. 2020. Titanium Dioxide Nanoparticles Alter the Cellular Phosphoproteome in A549 Cells. NANOMATERIALS. 10	10.3390/nano10020185	R
Gluga, AR; De Loma, J; Di Bucchianico, S; Skoglund, S; Keshavan, S; Wallinder, IO; Karlsson, HL; Fadeel, B. 2020. Silver nanoparticles modulate lipopolysaccharide-triggered Toll-like receptor signaling in immune-competent human cell lines. NANOSCALE ADVANCES. 2	10.1039/c9na00721k	R
Johnston, HJ; Hutchison, GR; Christensen, FM; Peters, S; Hankin, S; Stone, V. 2009. Identification of the mechanisms that drive the toxicity of TiO ₂ particulates: the contribution of physicochemical characteristics. PARTICLE AND FIBRE TOXICOLOGY. 6	10.1186/1743-8977-6-33	R
Theodorou, IG; Botelho, D; Schwander, S; Zhang, JF; Chung, KF; Tetley, TD; Shaffer, MSP; Gow, A; Ryan, MP; Porter, AE. 2015. Static and Dynamic Microscopy of the Chemical Stability and Aggregation State of Silver Nanowires in Components of Murine Pulmonary Surfactant. ENVIRONMENTAL SCIENCE & TECHNOLOGY. 49	10.1021/acs.est.5b01214	R
Mittag, A; Hoera, C; Kampfe, A; Westermann, M; Kuckelkorn, J; Schneider, T; Gleis, M. 2021. Cellular Uptake and Toxicological Effects of Differently Sized Zinc Oxide Nanoparticles in Intestinal Cells. TOXICS. 9	10.3390/toxics9050096	R
Dabrowska-Bouta, B; Sulkowski, G; Salek, M; Gewartowska, M; Sidoryk-Wegrzynowicz, M; Struzynska, L. 2020. Early Postnatal Exposure to a Low Dose of Nanoparticulate Silver Induces Alterations in Glutamate Transporters in Brain of Immature Rats. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. 21	10.3390/ijms21238977	R

Han, Z; Yan, Q; Ge, W; Liu, ZG; Gurunathan, S; De Felici, M; Shen, W; Zhang, XF. 2016. Cytotoxic effects of ZnO nanoparticles on mouse testicular cells. INTERNATIONAL JOURNAL OF NANOMEDICINE. 11	10.2147/IJN.S111447	R
Lu, PJ; Huang, SC; Chen, YP; Chiueh, LC; Shih, DYC. 2015. Analysis of titanium dioxide and zinc oxide nanoparticles in cosmetics. JOURNAL OF FOOD AND DRUG ANALYSIS. 23	10.1016/j.jfda.2015.02.009	R
Boland, S; Hussain, S; Baeza-Squiban, A. 2014. Carbon black and titanium dioxide nanoparticles induce distinct molecular mechanisms of toxicity. WILEY INTERDISCIPLINARY REVIEWS-NANOMEDICINE AND NANOBIO TECHNOLOGY. 6	10.1002/wnan.1302	R
Dasgupta, N; Ranjan, S; Ramalingam, C; Gandhi, M. 2019. Silver nanoparticles engineered by thermal co-reduction approach induces liver damage in Wistar rats: acute and sub-chronic toxicity analysis. 3 BIOTECH. 9	10.1007/s13205-019-1651-6	R
Skalska, J; Dabrowska-Bouta, B; Struzynska, L. 2016. Oxidative stress in rat brain but not in liver following oral administration of a low dose of nanoparticulate silver. FOOD AND CHEMICAL TOXICOLOGY. 97	10.1016/j.fct.2016.09.026	R
Bohmert, L; Niemann, B; Thunemann, AF; Lampen, A. 2012. Cytotoxicity of peptide-coated silver nanoparticles on the human intestinal cell line Caco-2. ARCHIVES OF TOXICOLOGY. 86	10.1007/s00204-012-0840-4	R
Skalska, J; Dabrowska-Bouta, B; Frontczak-Baniewicz, M; Sulkowski, G; Struzynska, L. 2020. A Low Dose of Nanoparticulate Silver Induces Mitochondrial Dysfunction and Autophagy in Adult Rat Brain. NEUROTOXICITY RESEARCH. 38	10.1007/s12640-020-00239-4	R
Ashajyothi, C; Chandrakanth, RK. 2019. A pilot toxicology study of biogenic silver nanoparticles: in vivo by intraperitoneal	10.1080/17458080.2018.1502479	R

and intravenous infusion routes in rats. JOURNAL OF EXPERIMENTAL NANOSCIENCE. 14		
Liu, C; Leng, WN; Vikesland, PJ. 2018. Controlled Evaluation of the Impacts of Surface Coatings on Silver Nanoparticle Dissolution Rates. ENVIRONMENTAL SCIENCE & TECHNOLOGY. 52	10.1021/acs.est.7b05622	R
Prasath, S; Palaniappan, K. 2019. Is using nanosilver mattresses/pillows safe? A review of potential health implications of silver nanoparticles on human health. ENVIRONMENTAL GEOCHEMISTRY AND HEALTH. 41	10.1007/s10653-019-00240-7	R
Hong, TK; Tripathy, N; Son, HJ; Ha, KT; Jeong, HS; Hahn, YB. 2013. A comprehensive in vitro and in vivo study of ZnO nanoparticles toxicity. JOURNAL OF MATERIALS CHEMISTRY B. 1	10.1039/c3tb20251h	R
Prasad, RY; Wallace, K; Daniel, KM; Tennant, AH; Zucker, RM; Strickland, J; Dreher, K; Kligerman, AD; Blackman, CF; DeMarini, DM. 2013. Effect of Treatment Media on the Agglomeration of Titanium Dioxide Nanoparticles: Impact on Genotoxicity, Cellular Interaction, and Cell Cycle. ACS NANO. 7	10.1021/nn302280n	R
Al-Hamadani, MYI; Alzahrani, AM; Yousef, MI; Kamel, MA; El-Sayed, WM. 2020. Gold Nanoparticles Perturb Drug-Metabolizing Enzymes and Antioxidants in the Livers of Male Rats: Potential Impact on Drug Interactions. INTERNATIONAL JOURNAL OF NANOMEDICINE. 15	10.2147/IJN.S248194	R
Tang, Y; Cai, R; Cao, D; Kong, X; Lu, YB. 2018. Photocatalytic production of hydroxyl radicals by commercial TiO2 nanoparticles and phototoxic hazard identification. TOXICOLOGY. 406	10.1016/j.tox.2018.05.010	R
Vidmar, J; Loeschner, K; Correia, M; Larsen, EH; Manser, P; Wichser, A; Boodhia, K; Al-Ahmady, ZS; Ruiz, J; Astruc, D; Buerki-Thurnherr, T. 2018. Translocation of silver nanoparticles in the ex vivo human placenta perfusion model	10.1039/c8nr02096e	R

characterized by single particle ICP-MS. NANOSCALE. 10		
Fine, JH; Bondy, GS; Coady, L; Pearce, B; Ross, N; Tayabali, AF; Halappanavar, S; Caldwell, D; Curran, I; Lefebvre, DE. 2016. Immunomodulation by gastrointestinal carbon black nanoparticle exposure in ovalbumin T cell receptor transgenic mice. NANOTOXICOLOGY. 10	10.1080/17435390.2016.1225131	R
Holland, NA; Thompson, LC; Vidanapathirana, AK; Urankar, RN; Lust, RM; Fennell, TR; Wingard, CJ. 2016. Impact of pulmonary exposure to gold core silver nanoparticles of different size and capping agents on cardiovascular injury. PARTICLE AND FIBRE TOXICOLOGY. 13	10.1186/s12989-016-0159-z	R
Koivisto, AJ; Jensen, ACO; Kling, KI; Norgaard, A; Brinch, A; Christensen, F; Jensen, KA. 2017. Quantitative material releases from products and articles containing manufactured nanomaterials: Towards a release library. NANOIMPACT. 5	10.1016/j.impact.2017.02.001	R
Sahu, SC; Roy, S; Zheng, JW; Ihrie, J. 2016. Contribution of ionic silver to genotoxic potential of nanosilver in human liver HepG2 and colon Caco2 cells evaluated by the cytokinesis-block micronucleus assay. JOURNAL OF APPLIED TOXICOLOGY. 36	10.1002/jat.3279	R
Aengenheister, L; Dugershaw, BB; Manser, P; Wichser, A; Schoenenberger, R; Wick, P; Hesler, M; Kohl, Y; Straskraba, S; Suter, MJF; Buerki-Thurnherr, T. 2019. Investigating the accumulation and translocation of titanium dioxide nanoparticles with different surface modifications in static and dynamic human placental transfer models. EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS. 142	10.1016/j.ejpb.2019.07.018	R
Bastos, V; Ferreira-de-Oliveira, JMP; Carrola, J; Daniel-da-Silva, AL; Duarte, IF; Santos, C; Oliveira, H. 2017. Coating independent cytotoxicity of citrate- and	10.1016/j.jes.2016.05.028	R

PEG-coated silver nanoparticles on a human hepatoma cell line. JOURNAL OF ENVIRONMENTAL SCIENCES. 51		
Pogribna, M; Koonce, NA; Mathew, A; Word, B; Patri, AK; Lyn-Cook, B; Hammons, G. 2020. Effect of titanium dioxide nanoparticles on DNA methylation in multiple human cell lines. NANOTOXICOLOGY. 14	10.1080/17435390.2020.1723730	R
Gokulan, K; Williams, K; Orr, S; Khare, S. 2021. Human Intestinal Tissue Explant Exposure to Silver Nanoparticles Reveals Sex Dependent Alterations in Inflammatory Responses and Epithelial Cell Permeability. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. 22	10.3390/ijms22010009	R
Georgantzopoulou, A; Serchi, T; Cambier, S; Leclercq, CC; Renaut, J; Shao, J; Kruszewski, M; Lentzen, E; Gryan, P; Eswara, S; Audinot, JN; Contal, S; Ziebel, J; Guignard, C; Hoffmann, L; Murk, AJ; Gutleb, AC. 2016. Effects of silver nanoparticles and ions on a co-culture model for the gastrointestinal epithelium. PARTICLE AND FIBRE TOXICOLOGY. 13	10.1186/s12989-016-0117-9	R
Sahu, SC; Njoroge, J; Bryce, SM; Zheng, JW; Ihrie, J. 2016. Flow cytometric evaluation of the contribution of ionic silver to genotoxic potential of nanosilver in human liver HepG2 and colon Caco2 cells. JOURNAL OF APPLIED TOXICOLOGY. 36	10.1002/jat.3276	R

Supplementary Information 5: Literature Search for Research Question 2 What are the potential physical and chemical safety issues relating to the use of metal and non-metal nanomaterials in consumer products on/to be placed on the UK market and the associated risks? Search 6

Reference	DOI	Relevant (R)/Possibly relevant or useful
Jimenez, AS; van Tongeren, M. 2017. Assessment of Human Exposure to ENMs. MODELLING THE TOXICITY OF NANOPARTICLES. 947	10.1007/978-3-319-47754-1_2	PR
Dreno, B; Alexis, A; Chuberre, B; Marinovich, M. 2019. Safety of titanium dioxide nanoparticles in cosmetics. JOURNAL OF THE EUROPEAN ACADEMY OF DERMATOLOGY AND VENEREOLOGY. 33	10.1111/jdv.15943	R
Park, J; Yoon, C; Lee, K. 2018. Comparison of modeled estimates of inhalation exposure to aerosols during use of consumer spray products. INTERNATIONAL JOURNAL OF HYGIENE AND ENVIRONMENTAL HEALTH. 221	10.1016/j.ijheh.2018.05.005	PR
Nazarenko, Y; Zhen, HJ; Han, T; Liroy, PJ; Mainelis, G. 2012. Potential for Inhalation Exposure to Engineered Nanoparticles from Nanotechnology-Based Cosmetic Powders. ENVIRONMENTAL HEALTH PERSPECTIVES. 120	10.1289/ehp.1104350	PR
Mercier-Bonin, M; Despax, B; Raynaud, P; Houdeau, E; Thomas, M. 2016. Oral exposure and fate of food nanoparticles within the gut: Examples of silver and titanium dioxide. CAHIERS DE NUTRITION ET DE DIETETIQUE. 51	10.1016/j.cnd.2016.03.001	R

Prasad, RY; Chastain, PD; Nikolaishvili-Feinberg, N; Smeester, L; Kaufmann, WK; Fry, RC. 2013. Titanium dioxide nanoparticles activate the ATM-Chk2 DNA damage response in human dermal fibroblasts. NANOTOXICOLOGY. 7	10.3109/17435390.2012.7110659	R
Pang, CF; Hristozov, D; Zabeo, A; Pizzol, L; Tsang, MP; Sayre, P; Marcomini, A. 2017. Probabilistic approach for assessing infants' health risks due to ingestion of nanoscale silver released from consumer products. ENVIRONMENT INTERNATIONAL. 99	10.1016/j.envint.2016.11.017	R
Okoturo-Evans, O; Dybowska, A; Valsami-Jones, E; Cupitt, J; Gierula, M; Boobis, AR; Edwards, RJ. 2013. Elucidation of Toxicity Pathways in Lung Epithelial Cells Induced by Silicon Dioxide Nanoparticles. PLOS ONE. 8	10.1371/journal.pone.0072363	R
Kim, JB; Kim, JY; Yoon, TH. 2017. Determination of silver nanoparticle species released from textiles into artificial sweat and laundry wash for a risk assessment. HUMAN AND ECOLOGICAL RISK ASSESSMENT. 23	10.1080/10807039.2016.1277417	R
Mackevica, A; Hansen, SF. 2016. Release of nanomaterials from solid nanocomposites and consumer exposure assessment - a forward-looking review. NANOTOXICOLOGY. 10	10.3109/17435390.2015.1132346	R
Deng, YX; Meng, XJ; Ling, CM; Lu, TJ; Chang, HM; Li, L; Yang, YQ; Song, GL; Ding, YS. . Nanosized Titanium Dioxide Induced Apoptosis and Abnormal Expression of Blood-Testis Barrier Junction Proteins Through JNK Signaling Pathway in TM4 Cells. BIOLOGICAL TRACE ELEMENT RESEARCH.	10.1007/s12011-022-03099-5	R

Cao, MJ; Li, B; Guo, MY; Liu, Y; Zhang, LL; Wang, YL; Hu, B; Li, JY; Sutherland, DS; Wang, LM; Chen, CY. 2021. In vivo percutaneous permeation of gold nanomaterials in consumer cosmetics: implication in dermal safety assessment of consumer nanoproducts. NANOTOXICOLOGY. 15	10.1080/17435390.2020.1860264	R
Canu, IG; Bateson, TF; Bouvard, V; Debia, M; Dion, C; Savolainen, K; Yu, IJ. 2016. Human exposure to carbon-based fibrous nanomaterials: A review. INTERNATIONAL JOURNAL OF HYGIENE AND ENVIRONMENTAL HEALTH. 219	10.1016/j.ijheh.2015.12.005	R
Takeda, K; Suzuki, KI; Ishihara, A; Kubo-Irie, M; Fujimoto, R; Tabata, M; Oshio, S; Nihei, Y; Ihara, T; Sugamata, M. 2009. Nanoparticles Transferred from Pregnant Mice to Their Offspring Can Damage the Genital and Cranial Nerve Systems. JOURNAL OF HEALTH SCIENCE. 55	10.1248/jhs.55.95	R
Taylor, AA; Khan, MY; Helbley, J; Walker, SL. 2017. Safety evaluation of hair-dryers marketed as emitting nano silver particles. SAFETY SCIENCE. 93	10.1016/j.ssci.2016.11.021	R
Shipelin, VA; Gmoshinski, IV; Khotimchenko, SA. 2015. Risk assessment of silver nanoparticles. 3RD INTERNATIONAL YOUTH CONFERENCE ON INTERDISCIPLINARY PROBLEMS OF NANOTECHNOLOGY, BIOMEDICINE AND NANOTOXICOLOGY (NANOBIOTECH 2015). 98	10.1088/1757-899X/98/1/012010	R
Bianco, C; Kezic, S; Visser, MJ; Pluut, O; Adami, G; Krystek, P. 2015. Pilot study on the identification of silver in skin layers and urine after dermal exposure to a functionalized textile. TALANTA. 136	10.1016/j.talanta.2014.12.043	R

Calderon, L; Yang, LT; Lee, KB; Mainelis, G. 2018. Characterization of airborne particle release from nanotechnology-enabled clothing products. JOURNAL OF NANOPARTICLE RESEARCH. 20	10.1007/s11051-018-4435-8	R
Geiser, M; Jeannet, N; Fierz, M; Burtscher, H. 2017. Evaluating Adverse Effects of Inhaled Nanoparticles by Realistic In Vitro Technology. NANOMATERIALS. 7	10.3390/nano7020049	R
Montalvo-Quiros, S; Luque-Garcia, JL. 2019. Combination of bioanalytical approaches and quantitative proteomics for the elucidation of the toxicity mechanisms associated to TiO ₂ nanoparticles exposure in human keratinocytes. FOOD AND CHEMICAL TOXICOLOGY. 127	10.1016/j.fct.2019.03.036	R
Tulve, NS; Stefaniak, AB; Vance, ME; Rogers, K; Mwilu, S; LeBouf, RF; Schwegler-Berry, D; Willis, R; Thomas, TA; Marr, LC. 2015. Characterization of silver nanoparticles in selected consumer products and its relevance for predicting children's potential exposures. INTERNATIONAL JOURNAL OF HYGIENE AND ENVIRONMENTAL HEALTH. 218	10.1016/j.ijheh.2015.02.002	R
Samani, PY; Samani, PY; Arabi, M; Shadkhast, M; Samani, PY; Piraei, E. 2018. Repeated-Dose Toxicity in Mouse Liver and Kidney after Skin Exposure to Silver Nanoparticles. JOURNAL OF CLINICAL AND DIAGNOSTIC RESEARCH. 12	10.7860/JCDR/2018/28535.11114	R
Hackenberg, S. 2014. Risk assessment of nanoparticles in consumer products. HNO. 62	10.1007/s00106-014-2867-8	PR
Ryu, HJ; Seo, MY; Jung, SK; Maeng, EH; Lee, SY; Jang, DH; Lee, TJ; Jo, KY; Kim, YR; Cho, KB; Kim, MK; Lee, BJ; Son, SW. 2014. Zinc oxide nanoparticles: a 90-day repeated-dose dermal toxicity study in rats.	10.2147/IJN.S57930	R

INTERNATIONAL JOURNAL OF NANOMEDICINE. 9		
Nazarenko, Y; Zhen, HJ; Han, TW; Liou, PJ; Mainelis, G. 2012. Nanomaterial inhalation exposure from nanotechnology-based cosmetic powders: a quantitative assessment. JOURNAL OF NANOPARTICLE RESEARCH. 14	10.1007/s11051-012-1229-2	R
Sajid, M; Ilyas, M; Basheer, C; Tariq, M; Daud, M; Baig, N; Shehzad, F. 2015. Impact of nanoparticles on human and environment: review of toxicity factors, exposures, control strategies, and future prospects. ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH. 22	10.1007/s11356-014-3994-1	R
Lyu, Z; Ghoshdastidar, S; Rekha, KR; Suresh, D; Mao, JD; Bivens, N; Kannan, R; Joshi, T; Rosenfeld, CS; Upendran, A. 2021. Developmental exposure to silver nanoparticles leads to long term gut dysbiosis and neurobehavioral alterations. SCIENTIFIC REPORTS. 11	10.1038/s41598-021-85919-7	R
De Jong, WH; Van Der Ven, LTM; Sleijffers, A; Park, MVDZ; Jansen, EHJM; Van Loveren, H; Vandebriel, RJ. 2013. Systemic and immunotoxicity of silver nanoparticles in an intravenous 28 days repeated dose toxicity study in rats. BIOMATERIALS. 34	10.1016/j.biomaterials.2013.06.048	R
Geppert, M; Schwarz, A; Stangassinger, LM; Wenger, S; Wienerroither, LM; Ess, S; Duschl, A; Himly, M. 2020. Interactions of TiO ₂ Nanoparticles with Ingredients from Modern Lifestyle Products and Their Effects on Human Skin Cells. CHEMICAL RESEARCH IN TOXICOLOGY. 33	10.1021/acs.chemrestox.9b00428	R
Prasath, S; Palaniappan, K. 2019. Is using nanosilver mattresses/pillows safe? A review of potential health implications of silver nanoparticles on	10.1007/s10653-019-00240-7	R

human health. ENVIRONMENTAL GEOCHEMISTRY AND HEALTH. 41		
Cao, MJ; Li, JY; Tang, JL; Chen, CY; Zhao, YL. 2016. Gold Nanomaterials in Consumer Cosmetics Nanoproducts: Analyses, Characterization, and Dermal Safety Assessment. SMALL. 12	10.1002/sml.201601574	R
Oh, HJ; Han, TT; Mainelis, G. 2021. Potential consumer exposure to respirable particles and TiO ₂ due to the use of eyebrow powders. JOURNAL OF EXPOSURE SCIENCE AND ENVIRONMENTAL EPIDEMIOLOGY. 31	10.1038/s41370-020-00278-1	R
Zhang, L; Xie, XX; Zhou, YG; Yu, DN; Deng, Y; Ouyang, JX; Yang, B; Luo, D; Zhang, DL; Kuang, HB. 2018. Gestational exposure to titanium dioxide nanoparticles impairs the placentation through dysregulation of vascularization, proliferation and apoptosis in mice. INTERNATIONAL JOURNAL OF NANOMEDICINE. 13	10.2147/IJN.S152400	R
Campagnolo, L; Massimiani, M; Vecchione, L; Piccirilli, D; Toschi, N; Magrini, A; Bonanno, E; Scimeca, M; Castagnozzi, L; Buonanno, G; Stabile, L; Cubadda, F; Aureli, F; Fokkens, PHB; Kreyling, WG; Cassee, FR; Pietroiusti, A. 2017. Silver nanoparticles inhaled during pregnancy reach and affect the placenta and the foetus. NANOTOXICOLOGY. 11	10.1080/17435390.2017.1343875	R
Amiri, S; Yousefi-Ahmadipour, A; Hosseini, MJ; Haj-Mirzaian, A; Momeny, M; Hosseini-Chegeni, H; Mokhtari, T; Kharrazi, S; Hassanzadeh, G; Amini, SM; Jafarinejad, S; Ghazi-Khansari, M. 2018. Maternal exposure to silver nanoparticles are associated with behavioral abnormalities in adulthood: Role of mitochondria and innate	10.1016/j.neuro.2018.03.006	R

immunity in developmental toxicity. NEUROTOXICOLOGY. 66		
Iavicoli, I; Leso, V; Fontana, L; Bergamaschi, A. 2011. Toxicological effects of titanium dioxide nanoparticles: a review of in vitro mammalian studies. EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES. 15	http://www.europeanreview.org/wp/wp-content/uploads/937.pdf	R
Muller, L; Steiner, SK; Rodriguez-Lorenzo, L; Petri-Fink, A; Rothen-Rutishauser, B; Latzin, P. 2018. Exposure to silver nanoparticles affects viability and function of natural killer cells, mostly via the release of ions. CELL BIOLOGY AND TOXICOLOGY. 34	10.1007/s10565-017-9403-z	R
Javurek, AB; Suresh, D; Spollen, WG; Hart, ML; Hansen, SA; Ellersieck, MR; Bivens, NJ; Givan, SA; Upendran, A; Kannan, R; Rosenfeld, CS. 2017. Gut Dysbiosis and Neurobehavioral Alterations in Rats Exposed to Silver Nanoparticles. SCIENTIFIC REPORTS. 7	10.1038/s41598-017-02880-0	R
Barker, LK; Giska, JR; Radniecki, TS; Semprini, L. 2018. Effects of short- and long-term exposure of silver nanoparticles and silver ions to <i>Nitrosomonas europaea</i> biofilms and planktonic cells. CHEMOSPHERE. 206	10.1016/j.chemosphere.2018.05.017	R
Jayaram, DT; Kumar, A; Kippner, LE; Ho, PY; Kemp, ML; Fan, YH; Payne, CK. 2019. TiO ₂ nanoparticles generate superoxide and alter gene expression in human lung cells. RSC ADVANCES. 9	10.1039/c9ra04037d	R
Wilson, CL; Natarajan, V; Hayward, SL; Khalimonchuk, O; Kidambi, S. 2015. Mitochondrial dysfunction and loss of glutamate uptake in primary astrocytes exposed to titanium dioxide nanoparticles. NANOSCALE. 7	10.1039/c5nr03646a	R

<p>Sruthi, S; Mohanan, PV. 2016. Engineered Zinc Oxide Nanoparticles; Biological Interactions at the Organ Level. CURRENT MEDICINAL CHEMISTRY. 23</p>	<p>10.2174/0929867323666160607224628</p>	<p>R</p>
<p>Ickrath, P; Wagner, M; Scherzad, A; Gehrke, T; Burghartz, M; Hagen, R; Radeloff, K; Kleinsasser, N; Hackenberg, S. 2017. Time-Dependent Toxic and Genotoxic Effects of Zinc Oxide Nanoparticles after Long-Term and Repetitive Exposure to Human Mesenchymal Stem Cells. INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH. 14</p>	<p>10.3390/ijerph14121590</p>	<p>R</p>
<p>Johnston, HJ; Hutchison, GR; Christensen, FM; Peters, S; Hankin, S; Stone, V. 2009. Identification of the mechanisms that drive the toxicity of TiO₂ particulates: the contribution of physicochemical characteristics. PARTICLE AND FIBRE TOXICOLOGY. 6</p>	<p>10.1186/1743-8977-6-33</p>	<p>R</p>
<p>Shukla, RK; Sharma, V; Pandey, AK; Singh, S; Sultana, S; Dhawan, A. 2011. ROS-mediated genotoxicity induced by titanium dioxide nanoparticles in human epidermal cells. TOXICOLOGY IN VITRO. 25</p>	<p>10.1016/j.tiv.2010.11.008</p>	<p>R</p>
<p>Scherzad, A; Meyer, T; Kleinsasser, N; Hackenberg, S. 2017. Molecular Mechanisms of Zinc Oxide Nanoparticle-Induced Genotoxicity Short Running Title: Genotoxicity of ZnO NPs. MATERIALS. 10</p>	<p>10.3390/ma10121427</p>	<p>R</p>
<p>Boland, S; Hussain, S; Baeza-Squiban, A. 2014. Carbon black and titanium dioxide nanoparticles induce distinct molecular mechanisms of toxicity. WILEY INTERDISCIPLINARY REVIEWS-NANOMEDICINE AND NANOBIO TECHNOLOGY. 6</p>	<p>10.1002/wnan.1302</p>	<p>R</p>

Xin, LL; Wang, JS; Fan, GQ; Che, BZ; Cheng, KM; Dong, GZ. 2016. Comparative oxidative stress elicited by nanosilver in stable HSPA1A promoter-driven luciferase reporter HepG2 and A549 cells. TOXICOLOGY RESEARCH. 5	10.1039/c6tx00195e	R
Cooper, RJ; Spitzer, N. 2015. Silver nanoparticles at sublethal concentrations disrupt cytoskeleton and neurite dynamics in cultured adult neural stem cells. NEUROTOXICOLOGY. 48	10.1016/j.neuro.2015.04.008	R
Fine, JH; Bondy, GS; Coady, L; Pearce, B; Ross, N; Tayabali, AF; Halappanavar, S; Caldwell, D; Curran, I; Lefebvre, DE. 2016. Immunomodulation by gastrointestinal carbon black nanoparticle exposure in ovalbumin T cell receptor transgenic mice. NANOTOXICOLOGY. 10	10.1080/17435390.2016.1225131	R
Hendrickson, OD; Klochkov, SG; Novikova, OV; Bravova, IM; Shevtsova, EF; Safenkova, IV; Zherdev, AV; Bachurin, SO; Dzantiev, BB. 2016. Toxicity of nanosilver in intragastric studies: Biodistribution and metabolic effects. TOXICOLOGY LETTERS. 241	10.1016/j.toxlet.2015.11.018	R
Natarajan, V; Wilson, CL; Hayward, SL; Kidambi, S. 2015. Titanium Dioxide Nanoparticles Trigger Loss of Function and Perturbation of Mitochondrial Dynamics in Primary Hepatocytes. PLOS ONE. 10	10.1371/journal.pone.0134541	R
Ganguly, P; Breen, A; Pillai, SC. 2018. Toxicity of Nanomaterials: Exposure, Pathways, Assessment, and Recent Advances. ACS BIOMATERIALS SCIENCE & ENGINEERING. 4	10.1021/acsbiomaterials.8b00068	R
Brohi, RD; Wang, L; Talpur, HS; Wu, D; Khan, FA; Bhattarai, D; Rehman, ZU; Farmanullah, F; Huo, LJ. 2017. Toxicity of Nanoparticles on the Reproductive System in Animal	10.3389/fphar.2017.00606	R

Models: A Review. FRONTIERS IN PHARMACOLOGY. 8		
Valdiglesias, V; Costa, C; Kilic, G; Costa, S; Pasaro, E; Laffon, B; Teixeira, JP. 2013. Neuronal cytotoxicity and genotoxicity induced by zinc oxide nanoparticles. ENVIRONMENT INTERNATIONAL. 55	10.1016/j.envint.2013.02.013	R
Larsen, ST; Da Silva, E; Hansen, JS; Jensen, ACO; Koponen, IK; Sorli, JB. 2020. Acute Inhalation Toxicity After Inhalation of ZnO Nanoparticles: Lung Surfactant Function Inhibition In Vitro Correlates With Reduced Tidal Volume in Mice. INTERNATIONAL JOURNAL OF TOXICOLOGY. 39	10.1177/1091581820933146	R
Crosera, M; Bovenzi, M; Maina, G; Adami, G; Zanette, C; Florio, C; Larese, FF. 2009. Nanoparticle dermal absorption and toxicity: a review of the literature. INTERNATIONAL ARCHIVES OF OCCUPATIONAL AND ENVIRONMENTAL HEALTH. 82	10.1007/s00420-009-0458-x	R
Yao, MF; He, LL; McClements, DJ; Xiao, H. 2015. Uptake of Gold Nanoparticles by Intestinal Epithelial Cells: Impact of Particle Size on Their Absorption, Accumulation, and Toxicity. JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY. 63	10.1021/acs.jafc.5b03242	R
Cohen, J; DeLoid, G; Pyrgiotakis, G; Demokritou, P. 2013. Interactions of engineered nanomaterials in physiological media and implications for in vitro dosimetry. NANOTOXICOLOGY. 7	10.3109/17435390.2012.666576	PR
Lee, H; Park, K. 2019. In Vitro Cytotoxicity of Zinc Oxide Nanoparticles in Cultured Statens Seruminstitut Rabbit Cornea Cells. TOXICOLOGICAL RESEARCH. 35	10.5487/TR.2019.35.3.287	R
Pogribna, M; Koonce, NA; Mathew, A; Word, B; Patri, AK; Lyn-Cook, B; Hammons, G. 2020. Effect of titanium	10.1080/17435390.2020.1723730	R

dioxide nanoparticles on DNA methylation in multiple human cell lines. NANOTOXICOLOGY. 14		
Hsiao, IL; Hsieh, YK; Chuang, CY; Wang, CF; Huang, YJ. 2017. Effects of silver nanoparticles on the interactions of neuron- and glia-like cells: Toxicity, uptake mechanisms, and lysosomal tracking. ENVIRONMENTAL TOXICOLOGY. 32	10.1002/tox.22397	R
Skalska, J; Dabrowska-Bouta, B; Frontczak-Baniewicz, M; Sulkowski, G; Struzynska, L. 2020. A Low Dose of Nanoparticulate Silver Induces Mitochondrial Dysfunction and Autophagy in Adult Rat Brain. NEUROTOXICITY RESEARCH. 38	10.1007/s12640-020-00239-4	R
Martin, ME; Reaves, DK; Jeffcoat, B; Enders, JR; Costantini, LM; Yeyeodu, ST; Botta, D; Kavanagh, TJ; Fleming, JM. 2019. Silver nanoparticles alter epithelial basement membrane integrity, cell adhesion molecule expression, and TGF-beta 1 secretion. NANOMEDICINE-NANOTECHNOLOGY BIOLOGY AND MEDICINE. 21	10.1016/j.nano.2019.102070	R
Gaiser, BK; Hirn, S; Kermanizadeh, A; Kanase, N; Fytianos, K; Wenk, A; Haberl, N; Brunelli, A; Kreyling, WG; Stone, V. 2013. Effects of Silver Nanoparticles on the Liver and Hepatocytes In Vitro. TOXICOLOGICAL SCIENCES. 131	10.1093/toxsci/kfs306	R
Sung, JH; Ji, JH; Park, JD; Song, MY; Song, KS; Ryu, HR; Yoon, JU; Jeon, KS; Jeong, J; Han, BS; Chung, YH; Chang, HK; Lee, JH; Kim, DW; Kelman, BJ; Yu, IJ. 2011. Subchronic inhalation toxicity of gold nanoparticles. PARTICLE AND FIBRE TOXICOLOGY. 8	10.1186/1743-8977-8-16	R
Liu, J; Kang, YY; Yin, SH; Song, B; Wei, LM; Chen, LJ; Shao, LQ. 2017. Zinc oxide nanoparticles induce toxic responses in human neuroblastoma	10.2147/IJN.S149070	R

SHSY5Y cells in a size-dependent manner. INTERNATIONAL JOURNAL OF NANOMEDICINE. 12		
Unal, F; Korkmaz, FD; Suludere, Z; Erol, O; Yuzbasioglu, D. 2021. Genotoxicity of Two Nanoparticles: Titanium Dioxide and Zinc Oxide. GAZI UNIVERSITY JOURNAL OF SCIENCE. 34	10.35378/gujs.826911	R
Nthwane, YB; Tancu, Y; Maity, A; Thwala, M. 2019. Characterisation of titanium oxide nanomaterials in sunscreens obtained by extraction and release exposure scenarios. SN APPLIED SCIENCES. 1	10.1007/s42452-019-0329-3	R
Braakhuis, HM; Park, MVDZ; Gosens, I; De Jong, WH; Cassee, FR. 2014. Physicochemical characteristics of nanomaterials that affect pulmonary inflammation. PARTICLE AND FIBRE TOXICOLOGY. 11	10.1186/1743-8977-11-18	PR
Yao, LY; Chen, L; Chen, BL; Tang, YZ; Zhao, Y; Liu, SJ; Xu, HY. 2021. Toxic effects of TiO ₂ NPs in the blood-milk barrier of the maternal dams and growth of offspring. ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY. 208	10.1016/j.ecoenv.2020.111762	R
Singh, S; Nalwa, HS. 2007. Nanotechnology and health safety - Toxicity and risk assessments of nanostructured materials on human health. JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY. 7	10.1166/jnn.2007.922	PR
Hofmann, T; Schneider, S; Wolterbeek, A; de Sandt, HV; Landsiedel, R; van Ravenzwaay, B. 2015. Prenatal toxicity of synthetic amorphous silica nanomaterial in rats. REPRODUCTIVE TOXICOLOGY. 56	10.1016/j.reprotox.2015.04.006	R
Oh, HJ; Kim, J. 2020. Characterization of Inhalable Aerosols from Cosmetic Powders and Sustainability in Cosmetic Products. SUSTAINABILITY. 12	10.3390/su12198187	PR

Brandao, F; Fernandez-Bertolez, N; Rosario, F; Bessa, MJ; Fraga, S; Pasaro, E; Teixeira, JP; Laffon, B; Valdiglesias, V; Costa, C. 2020. Genotoxicity of TiO ₂ Nanoparticles in Four Different Human Cell Lines (A549, HEPG2, A172 and SH-SY5Y). NANOMATERIALS. 10	10.3390/nano10030412	R
Gonzalez, C; Rosas-Hernandez, H; Ramirez-Lee, MA; Salazar-Garcia, S; Ali, SF. 2016. Role of silver nanoparticles (AgNPs) on the cardiovascular system. ARCHIVES OF TOXICOLOGY. 90	10.1007/s00204-014-1447-8	R
Walser, T; Demou, E; Lang, DJ; Hellweg, S. 2011. Prospective Environmental Life Cycle Assessment of Nanosilver T-Shirts. ENVIRONMENTAL SCIENCE & TECHNOLOGY. 45	10.1021/es2001248	R
Kimura, E; Todo, H; Sugibayashi, K. 2012. Skin Penetration and Safety of Nanoparticles. YAKUGAKU ZASSHI-JOURNAL OF THE PHARMACEUTICAL SOCIETY OF JAPAN. 132	10.1248/yakushi.132.319	PR
Jalili, P; Gueniche, N; Lancelleur, R; Burel, A; Lavault, MT; Sieg, H; Bohmert, L; Meyer, T; Krause, BC; Lampen, A; Estrela-Lopis, I; Laux, P; Luch, A; Hogeveen, K; Fessard, V. 2018. Investigation of the in vitro genotoxicity of two rutile TiO ₂ nanomaterials in human intestinal and hepatic cells and evaluation of their interference with toxicity assays. NANOIMPACT. 11	10.1016/j.impact.2018.02.004	R
Miethling-Graff, R; Rumpker, R; Richter, M; Verano-Braga, T; Kjeldsen, F; Brewer, J; Hoyland, J; Rubahn, HG; Erdmann, H. 2014. Exposure to silver nanoparticles induces size- and dose-dependent oxidative stress and cytotoxicity in human colon carcinoma cells. TOXICOLOGY IN VITRO. 28	10.1016/j.tiv.2014.06.005	R

Kim, SH; Lee, DH; Choi, S; Yang, JY; Jung, KK; Jeong, J; Oh, JH; Lee, JH. 2021. Skin Sensitization Potential and Cellular ROS-Induced Cytotoxicity of Silica Nanoparticles. NANOMATERIALS. 11	10.3390/nano11082140	R
Yamada, S; Yamazaki, D; Kanda, Y. 2018. Silver nanoparticles inhibit neural induction in human induced pluripotent stem cells. NANOTOXICOLOGY. 12	10.1080/17435390.2018.1481238	R
Sharma, V; Shukla, RK; Saxena, N; Parmar, D; Das, M; Dhawan, A. 2009. DNA damaging potential of zinc oxide nanoparticles in human epidermal cells. TOXICOLOGY LETTERS. 185	10.1016/j.toxlet.2009.01.008	R
Heo, MB; Kwak, M; An, KS; Kim, HJ; Ryu, HY; Lee, SM; Song, KS; Kim, IY; Kwon, JH; Lee, TG. 2020. Oral toxicity of titanium dioxide P25 at repeated dose 28-day and 90-day in rats. PARTICLE AND FIBRE TOXICOLOGY. 17	10.1186/s12989-020-00350-6	R
Pal, A; Alam, S; Chauhan, LKS; Saxena, PN; Kumar, M; Ansari, GN; Singh, D; Ansari, KM. 2016. UVB exposure enhanced the dermal penetration of zinc oxide nanoparticles and induced inflammatory responses through oxidative stress mediated by MAPKs and NF-kappa B signaling in SKH-1 hairless mouse skin. TOXICOLOGY RESEARCH. 5	10.1039/c6tx00026f	R
Sthijns, MMJPE; Thongkam, W; Albrecht, C; Hellack, B; Bast, A; Haenen, GRMM; Schins, RPF. 2017. Silver nanoparticles induce hormesis in A549 human epithelial cells. TOXICOLOGY IN VITRO. 40	10.1016/j.tiv.2017.01.010	R
Sohail; Amara, U; Shad, S; Ilyas, N; Manaf, A; Raja, NL; Mashwani, ZUR. 2019. In vitro germination and biochemical profiling of Brassica napus in response to biosynthesised zinc	10.1049/iet-nbt.2018.5012	R

nanoparticles. IET NANOBIOTECHNOLOGY. 13		
Wagener, S; Dommershausen, N; Jungnickel, H; Laux, P; Mitrano, D; Nowack, B; Schneider, G; Luch, A. 2016. Textile Functionalization and Its Effects on the Release of Silver Nanoparticles into Artificial Sweat. ENVIRONMENTAL SCIENCE & TECHNOLOGY. 50	10.1021/acs.est.5b061 37	R
Sharma, V; Singh, SK; Anderson, D; Tobin, DJ; Dhawan, A. 2011. Zinc Oxide Nanoparticle Induced Genotoxicity in Primary Human Epidermal Keratinocytes. JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY. 11	10.1166/jnn.2011.4250	R
Ghosh, M; Manivannan, J; Sinha, S; Chakraborty, A; Mallick, SK; Bandyopadhyay, M; Mukherjee, A. 2012. In vitro and in vivo genotoxicity of silver nanoparticles. MUTATION RESEARCH-GENETIC TOXICOLOGY AND ENVIRONMENTAL MUTAGENESIS. 749	10.1016/j.mrgentox.20 12.08.007	R
Sharma, V; Anderson, D; Dhawan, A. 2012. Zinc oxide nanoparticles induce oxidative DNA damage and ROS- triggered mitochondria mediated apoptosis in human liver cells (HepG2). APOPTOSIS. 17	10.1007/s10495-012- 0705-6	R
Song, B; Liu, J; Feng, XL; Wei, M; Shao, LQ. 2015. A review on potential neurotoxicity of titanium dioxide nanoparticles. NANOSCALE RESEARCH LETTERS. 10	10.1186/s11671-015- 1042-9	R
Sahu, SC; Zheng, JW; Graham, L; Chen, L; Ihrle, J; Yourick, JJ; Sprando, RL. 2014. Comparative cytotoxicity of nanosilver in human liver HepG2 and colon Caco2 cells in culture. JOURNAL OF APPLIED TOXICOLOGY. 34	10.1002/jat.2994	R

Supplementary Information 6: Product details for products where location of nanoelement is known

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Toys						
A-Play Nano Purple 2.6/2.9, floorballstav, senior	Yes	Manufacturer	Carbon	Yes	Suspended in solid	Dead product
Benny the Bear Plush Toy	Yes	Manufacturer	Silver	Yes	Surface bound	Dead product. 25 nm nanoparticles.
Bomo, indoor Robot Baby Carriage	Yes	Manufacturer	Silver	Yes	Surface bound	
Donny the Dog Plush Toy	Yes	Manufacturer	Silver	Yes	Surface bound	
I-Play Nano, floorballstav	Yes	Manufacturer	Carbon	Yes	Suspended in solid	Dead product
NanoSchoolBox - Your baggage for your journey	Yes	Manufacturer	TiO ₂	No	n/a	Product available in the EU

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
into the nanocosmos						
X-Play Nano Black 2.9 floorballstav	Yes	Manufacturer	Carbon	Yes	Suspended in solid	
Cosmetics						
FUJIFILM ASTALIFT UV Protector SPF35/PA+++	Yes	Manufacturer	nanolycopene	No		Available in the EU, under https://www.ebay.co.uk/itm/173846251086 only SPF50 found
alverde getönter Sonnenbalm LSF 20, dunkel, 50 ml	Yes	Manufacturer	TiO2	Yes		Available in the EU, not found in the UK using Google
ALVERDE GETÖNTER SONNENBALM LSF 20, HELL, 50 ML	Yes	Manufacturer	TiO2	Yes		Available in the EU, not found in the UK using google
ALVERDE SONNENBALS	Yes	Manufacturer	TiO2	Yes		Available in the EU, not found

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
AM KIDS LSF 30, 150 ML						in the UK using google
Alverde vitamin sun milk LSF 30, organic tangerine, 200 ml	Yes	Manufacturer	TiO2	Yes		Available in the EU, not found in the UK using Google
Ambre Solaire Light & Silky SPF15 Lotion 200 ml	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Applied Therapeutics Sunscreens	Yes	Someone else	TiO2	Yes	Suspended in liquid	Dead Product
AVÈNE SUN CREAM SPF20	Yes	Manufacturer	Bisotrizole	Yes		Available in the EU, not found under the AVENE UK website
AVÈNE SUN STICK SPF30	Yes	Manufacturer	TiO2, Bisotrizole	Yes		Available in the EU, not found in the Avene UK website
Bergasol Bronzage	Yes	Manufacturer	TiO2, Bisotrizole	Yes		Available in the EU, not found

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Passion Face Cream						in the UK using google
Bergasol Bronzage Passion SPF20 Sun Milk 125ml	Yes	Manufacturer	Bisotrizole	Yes		Not found under any UK retailers website
BODY GEL COSMETIC NANOLIA pure SILVER Anti-Redness	Yes	Manufacturer	Silver	Yes	Suspended in liquid	Dead Product
Chemical-Free Sunscreen SPF 15	Yes	Someone else	TiO2	Yes	Airborne and Suspended in liquid	Dead Product
Cotz SPF 58	Yes	Manufacturer	Titanium dioxide, Zinc oxide	Yes	Suspended in liquid	Dead Product
Daily Sun Defense SPF 20	Yes	Someone else	Zinc	Yes	Suspended in liquid	Dead Product
Dermatone SPF 20 Natural Formula	Yes	Manufacturer	Titanium dioxide, Zinc oxide	Yes		Available in the EU but not found under the UK site https://www.u-

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
						buy.co.uk/brand/dermatone
Dior skin Star Studio Foundation SPF 30	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	Dead Product
EUCERIN SUN KIDS MICROPIGMENT LOTION SPF 25 aurinkovoide 150 ml	Yes	Manufacturer	TiO2	Yes		Available in the EU, not found in the UK Eucerin website
Eucerin Sun Lotion Dry Skin SPF 50+	Yes	Manufacturer	TiO2	Yes		Available in the EU but not found under the UK https://www.eucerin.co.uk/products/sun-protection
Exclusive Cosmetics With Gold Nano Particles Intensive Anti	Yes	Manufacturer	Gold	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Wrinkle Elixer Serum						
False Lash Effect Fusion	Yes	Manufacturer	Carbon black	Yes	Suspended in liquid	Dead Product
High Protection Mineral Cream SPF 50 50ml	Yes	Someone else	TiO2	Yes	Suspended in liquid	Dead Product
IS SPF 20 Sunscreen Powder	Yes	Manufacturer	Titanium dioxide, Zinc oxide	Yes	Powder	
L'Oreal Preference Wild Ombre Hair Lightening Cream	Yes	Manufacturer	Silicon dioxide	Yes	Powder	
Lancome Rénergie Microlift	Yes	Manufacturer	Silicon	Yes	Suspended in liquid	Dead Product
Lancome Rénergie Microlift Eye	Yes	Manufacturer	Silicon	Yes	Suspended in liquid	Dead Product
Lancome Rénergie Neck	Yes	Manufacturer	Silicon	Yes	Suspended in liquid	Dead Product

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Lash Extension Effect Mascara	Yes	Manufacturer	Carbon black	Yes	Suspended in liquid	Dead Product
LEOREX Cosmetics	Yes	Someone else	Silicon	Yes	Suspended in silicon	Available in the EU
Lips 'n Face Protection Creme and Sunblock Crème	Yes	Manufacturer	Zinc oxide	Yes	Suspended in liquid	
Lorac Natural Performance Foundation	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
L'oreal Age Perfect Pro Calcium Strengthening Day Care	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Loreal Nude Magique Blur Cream	Yes	Manufacturer	Silicon dioxide	Yes	Suspended in liquid	
Loreal Revitalift Multi-Regenerating Day Cream SPF 20	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Loreal Skin Perfection Unifying Day Moisturiser	Yes	Manufacturer	Silicon dioxide	Yes	Suspended in liquid	
Max Factor Ageless Elixir Foundation	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	Dead Product
Max Factor Eye Luminizer Brightener	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Max Factor Lash Extension Effect Mascara Washable Waterproof	Yes	Manufacturer	Carbon black	Yes	Suspended in liquid	Dead Product
Max Factor Masterpiece Glide & Define Liquid Eyeliner	Yes	Manufacturer	Carbon black	Yes	Suspended in liquid	Dead Product
Max Factor Smooth Effect Foundation	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	Dead Product
Max factor Xperience	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	Dead Product

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Weightless Foundation						
Maybelline Color Show Nail Lacquer Candy Apple 7ml	Yes	Manufacturer	Carbon black	Yes	Suspended in liquid	
Maybelline Color Show Nail Lacquer Pink Boom 7ml	Yes	Manufacturer	Carbon black	Yes	Suspended in liquid	Dead Product
MesoSilver® Concentrated Creams	Yes	Manufacturer	Silver	Yes	Suspended in liquid	
MesoSilver® Topical Cream	Yes	Manufacturer	Silver	Yes	Suspended in liquid	
Micro Silk White Lotus Intensive Lotion Mask	Yes	Manufacturer	Silver	Yes	Suspended in liquid	
Micro Silver Products	Yes	Someone else	Silver	Yes	Suspended in liquid	Available in the EU
MOISTURE WHITE™ SHISO BB SERUM INSIDE	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	Dead Product

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Nails inc Bright Street NailKale	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	Dead Product
Nails inc Marylebone Court Nailpure	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	Dead Product
Nails inc Old Montague Street The Reflectors	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	Dead Product
Nails inc Regents Park NailKale	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	Dead Product
Nano Gold 24 Hour Cream	Yes	Manufacturer	Gold	Yes	Suspended in liquid	
NANOVERTM Cleansing Soap	Yes	Manufacturer	Silver	Yes	Suspended in solid	
Nivea PROTECT & REFRESH SUN LOTION SPF20	Yes	Manufacturer	TiO2	Yes	suspended in liquid	Available in the EU, in the UK website only products with similar names were found
Nivea PROTECT &	Yes	Manufacturer	TiO2	Yes	suspended in liquid	Available in the EU, in the UK

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
REFRESH SUN LOTION SPF30						website only products with similar names were found
Nivea Sun Anti-Age Protection Face Sun Cream High SPF 30 - 50 ml	Yes	Manufacturer	TiO2	Yes		Available in the EU, not found in the UK Nivea website
Nivea Sun Lotion SPF10 200ml	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	Available in the EU not found under the UK Nivea website
no7 Midnight Lash Mascara	Yes	Manufacturer	Carbon black	Yes	Suspended in liquid	Dead Product
Olay Total Effects BB Eye Cream	Yes	Manufacturer	Zinc oxide	Yes	Suspended in liquid	Dead Product
PODOPHARM PRO - PODOFLEX® - ANTIFUNGAL TINCTURE FOR NAILS	Yes	Manufacturer	Copper	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Q-SunShade SPF 30+ Tinted Zinc Oxide Sunscreen	Yes	Manufacturer	Zinc oxide	Yes	Suspended in liquid	Dead Product
Revita-Gem Acupuncture without needles	Yes	Manufacturer	Silicon	Yes	Powder	
Revlon Charlie Longwear Face Makeup Nude 30ml	Yes	Manufacturer	Titanium dioxide, zinc oxide	Yes	Suspended in liquid	Dead Product
Revlon Colorstay Makeup Hazelnut 30m	Yes	Manufacturer	Titanium dioxide, zinc oxide	Yes	Suspended in liquid	Dead Product
Revlon Colorstay Stay Natural Make-Up Medium Beige 30ml	Yes	Manufacturer	Titanium dioxide, zinc oxide	Yes	Suspended in liquid	Dead Product
Revlon Colorstay Stay Natural Make-Up Medium Beige 30ml	Yes	Manufacturer	Titanium dioxide, zinc oxide	Yes	Suspended in liquid	Dead Product

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Revlon Colorstay Stay Natural Make-Up Natural Tan 30ml	Yes	Manufacturer	Titanium dioxide, zinc oxide	Yes	Suspended in liquid	Dead Product
Rosacea Care Sunscreen 30	Yes	Manufacturer	Zinc oxide	Yes	Suspended in liquid	Dead Product
Sircuit O.M.G. SERUM	Yes	Manufacturer	Fullerenes	Yes	Suspended in liquid	
Solar Rx SPF 30+ Nano-Zinc Oxide Sunblock	Yes	Manufacturer	Zinc Oxide	Yes		US brand according to the website after brexit they do not ship to the UK https://www.keyspure.com/keys-faqs/
Stherb Sunscreen Nano Complex SPF50 PA+++	Yes	Manufacturer	TiO2	Yes		Does not seem available anywhere, the website does not work
Sun Lotion SPF10 200 ml	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Sunprotect Kids SPF40 Light Lotion Spray 300 ml	Yes	Manufacturer	TiO2	Yes	Airborne and Suspended in liquid	
Sunscreen Plus Clear Zinc SPF30+	Yes	Someone else	Zinc	Yes	Suspended in liquid	Dead Product
SunSense SPF 30+ Sunscreen	Yes	Manufacturer	Zinc oxide	Yes	Suspended in liquid	
THE BODY SHOP BOLD OVERSIZED FELT EYELINER BLACK	Yes	Manufacturer	Carbon black	Yes	Suspended in liquid	Dead Product
The body Shop MOISTURE FOUNDATION SPF 15	Yes	Manufacturer	Zinc oxide	Yes	Suspended in liquid	Dead Product
The Body Shop SHIMMER CUBE	Yes	Manufacturer	Silicon dioxide	Yes	Powder	Dead Product
The Body Shop SKINNY FELT	Yes	Manufacturer	Carbon black	Yes	Suspended in liquid	Dead Product

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
BLACK EYELINER						
The Body Shop VELVET GEL PEN EYELINER	Yes	Manufacturer	Carbon black	Yes	Suspended in liquid	Dead Product
Ultimate UV Defense SPF 30	Yes	Manufacturer	Zinc oxide	Yes	Suspended in liquid	
Urban Decay Revolution High-Color Lipgloss	Yes	Manufacturer	Silicon dioxide	Yes	Suspended in solid	Dead Product
WAH London Immerge The Lava Set	Yes	Manufacturer	Titanium dioxide, zinc oxide	Yes	Suspended in liquid	
Ambre Solaire Light & Silky SPF30 Lotion 200 ml	Yes	Someone else	TiO2	Yes	Suspended in liquid	
AVÈNE SUN CLEANANCE SPF30	Yes	Manufacturer	Bisotrizole	Yes	Suspended in liquid	Available in SPF 50 but not 30.
AVÈNE SUN CREAM SPF50+	No	Someone else	METHYLENE BIS-BENZOTRI	Yes		Available in the EU, not found under the

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
			AZOLYL TETRAMETHYL BUTYLPHENOL (NANO)			Avene UK website
Blue Lizard Regular	No	Manufacturer	Zinc nano?	Yes		
Dry Skin Sun Lotion SPF 30	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Green People Organic Children Sun Lotion Medium Level SPF15	Yes	Manufacturer	TiO2	Yes		Available in the EU, not found under the Green People UK site
Green People Organic Children Sun Lotion Medium Level SPF30	Yes	Manufacturer	TiO2	Yes		Available in the EU, not found under the Green People UK site
Loreal Age Perfect Moisturising Eye Care Anti-Sagging	Yes	Manufacturer	Silicon dioxide	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Nailmatic Kids - Vandbaseret neglelak til børn	Yes	Manufacturer	Carbon black phosphate	Yes	Suspended in liquid	
Nails inc King William Walk Sweet Almond Powered by Matcha	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Physical UV Defense SPF 30	Yes	Manufacturer	Titanium dioxide, Zinc oxide	Yes	Suspended in liquid	
Piz Buin Moisturising Sun Lotion SPF 15	Yes	Manufacturer	Tetramethyl butylphenol	Yes		Available in the EU but not found under Piz Buin UK
Piz Buin Ultra Light Dry Touch Face Fluid SPF 15	Yes	Manufacturer	Bisotrizole	Yes		Available in the EU, not found in the UK Boots website
Platinum Silver Nanocolloid Cream	Yes	Manufacturer	Platinum, silver	Yes	Suspended in liquid	
Platinum Silver Nanocolloid Milky Essence	Yes	Manufacturer	Platinum	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Refreshing Sun Lotion Low SPF 10 - 200 ml	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Shiseido Sheer and Perfect Foundation SPF 18	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Wet n Wild Color Icon Eyeshadow Trio	Yes	Manufacturer	Carbon black	Yes	Powder	
Piz Buin Ultra Light Dry Touch Face Fluid SPF 30	Yes	Manufacturer	Bisotrizole	Yes		Not found under Piz Buin UK
Sport UV Defense SPF 50	Yes	Manufacturer	Zinc oxide	Yes	Suspended in liquid	
Max Factor Clump Defy Extensions Mascara	Yes	Manufacturer	Carbon black	Yes	Suspended in liquid	
Active Care	Yes	Manufacturer	Zinc oxide	Yes	Suspended in liquid	
Allergy Sun Sensitive Skin	Yes	Manufacturer	Bisotrizole	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Face Cream High SPF30						
Allergy Sun Sensitive Skin Lotion SPF15	Yes	Manufacturer	Bisocotrizole	Yes	Airborne and Suspended in liquid	
Allergy Sun Sensitive Skin Lotion Very High SPF50	Yes	Manufacturer	Bisocotrizole	Yes	Suspended in liquid	
AVÈNE LIP BALM WITH COLD CREAM	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
AVÈNE SUN COMPACT FOUNDATION SPF50	Yes	Manufacturer	TiO2	Yes	Powder	
AVÈNE SUN CREAM TINTED SPF30	Yes	Manufacturer	Bisocotrizole	Yes		
AVÈNE SUN LOTION SPF30	Yes	Someone else	Bisocotrizole	Yes	Suspended in liquid	
AVÈNE SUN REFLEXE	Yes	Someone else	Bisocotrizole	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
AVÈNE SUN SPRAY KIDS SPF50+	Yes	Manufacturer	Bisotrizole	Yes		
AVÈNE SUN SPRAY SPF20	Yes	Manufacturer	Bisotrizole	Yes	Airborne and Suspended in liquid	
AVÈNE SUN SPRAY SPF30	Yes	Someone else	Bisotrizole	Yes	Airborne and Suspended in liquid	
Bioderma Hydrabio Rich	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	Available in the EU
Bioderma Photoderm MAX Crème SPF 50+	Yes	Manufacturer	Bisotrizole	Yes		
Blistex Lip Brilliance	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Blue Lizard BABY	Yes	Someone else	Titanium, Zinc	Yes	Suspended in liquid	
Blue Lizard Sensitive	Yes	Someone else	Titanium, Zinc	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Chantecaille - Nano Gold Energizing Eye Serum	Yes	Manufacturer	Gold	Yes	Suspended in liquid	
Chantecaille Nano Gold Energizing Cream	Yes	Manufacturer	Gold	Yes	Airborne and Suspended in liquid	
Chantecaille Nano Gold Energizing Eye Cream	Yes	Manufacturer	Gold	Yes	Suspended in liquid	
Chantecaille Radiance Gel Bronzer	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Charlotte Tilbury LIGHT WONDER	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Charlotte Tilbury Magic Foundation	Yes	Manufacturer	TiO2	Yes	Powder	
cor the silver soap mini-size 10g	Yes	Manufacturer	Silver	Yes	Suspended in liquid	Out of stock

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Dark And Lovely Beautiful Beginnings No-Lye Relaxer	Yes	Manufacturer	Silicon dioxide	Yes	Suspended in liquid	
Dr Sebagh - Platinum Gold Elixir	Yes	Manufacturer	Gold, platinum	Yes	Suspended in liquid	
Dr. Baumann - Zink Creme	Yes	Manufacturer	Zinc oxide	Yes	Suspended in liquid	
Dr. Baumann Bleaching Cream	Yes	Someone else	TiO2	Yes	Suspended in liquid	
Garnier Nutrisse Ultra Color	Yes	Manufacturer	Silicon dioxide	Yes	Suspended in liquid	
Giorgio Armani Eye Tint	Yes	Manufacturer	Silicon dioxide	Yes	Suspended in liquid	
Glacier Cream High SPF 30	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Green People Organic Children Sun Lotion SPF30	Yes	Manufacturer	TiO2	Yes		

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Hylamide Finisher Photography Foundation Dark Tan	Yes	Manufacturer	Silicon dioxide	Yes	Suspended in liquid	
Hylamide Finisher Photography Foundation Golden Tan	Yes	Manufacturer	Silicon dioxide	Yes	Suspended in liquid	
Hylamide Finisher Photography Foundation Transparent	Yes	Manufacturer	Silicon dioxide	Yes	Suspended in liquid	
Idento Lip Serum	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
KIDS PROTECT & CARE POCKET SIZE SUN LOTION SPF50+	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Kids Sun Lotion SPF 50+	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
L'Oreal Casting Creme Gloss Conditioning Hair Colour	Yes	Manufacturer	Silicon dioxide	Yes	Suspended in liquid	
L'Oreal Excellence Creme Hair	Yes	Manufacturer	Silicon dioxide	Yes	Suspended in liquid	
L'Oreal Revitalift Total Repair 10 Multi-Action Moisturiser	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Laura Mercier Smooth Finish Foundation Powder	Yes	Manufacturer	Zinc oxide	Yes	Powder	
Loreal Age Perfect Cell Renaissance Serum Intense Regeneration	Yes	Manufacturer	Silicon dioxide	Yes	Suspended in liquid	
Loreal La Manicure 7 in 1 Saviour	Yes	Manufacturer	Silicon dioxide	Yes	Suspended in liquid	
Loreal La Manicure	Yes	Manufacturer	Silicon dioxide	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Xtreme Hardener						
Loreal Revitalift Face Contours and Neck Supporting Care Anti-Wrinkle + Firming	Yes	Manufacturer	Silicon dioxide	Yes	Suspended in liquid	
Loreal Revitalift Laser Precision Eye Cream	Yes	Manufacturer	Silicon dioxide	Yes	Suspended in liquid	
Max Factor CC cream	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Max factor Glossfinity	Yes	Manufacturer	Carbon black	Yes	Suspended in liquid	
Max Factor Lasting Performance	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Max Factor Mastertouch under-eye concealer	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Max factor Max Effect Mini Nail Polish	Yes	Manufacturer	Carbon black	Yes	Suspended in liquid	
Maybelline Color Sensational Shine Gloss Electric Orange 6.8ml	Yes	Manufacturer	Silicon dioxide	Yes	Suspended in liquid	
Moisturising Sun Lotion SPF 15	Yes	Manufacturer	Bisotrizole	Yes	Suspended in liquid	
Moisturising Sun Lotion SPF 20	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Moisturising Sun Lotion SPF 30	Yes	Manufacturer	Bisotrizole	Yes	Suspended in liquid	
Mountain Sun Cream Very High SPF 50+	Yes	Manufacturer	Bisotrizole	Yes	Suspended in liquid	
Nails inc Cambridge Mews '6 free'	Yes	Manufacturer	Carbon black	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Nailpure Nail polish						
Nails inc Cornwall Gardens Sweet Almond Powered by Matcha	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Nails inc Hampstead Mews '6 free' Nailpure Nail polish	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Nails inc Kings Cross Road The Reflectors	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Nails inc Mayfair Gardens '6 free' Nailpure Nail polish	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Nails inc Montpelier Walk '6 free' Nailpure Nail polish	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Nails Inc Nail Pure in Mayfair Mansion Mews	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Nails Inc Nailpure Nail Polish in London Court	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Nails Inc Nailpure Nail Polish in Regents Place	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Nails inc Primrose Street The Reflectors	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Nails inc Prince Arthur Road '6 free' Nailpure Nail polish	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Nails inc Regent Park '6 free' Nailpure Nail polish	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Nails inc Tate '6 free' Nailpure Nail polish	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Nails inc Uptown nail polish	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Nails inc Victoria & Albert NailKale	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Nails inc Victoria '6 free' Nailpure Nail polish	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Nano Gold Energizing Cream	Yes	Manufacturer	Gold	Yes	Suspended in liquid	
NIVEA SUN SPF20 REFRESHING SUN LOTION	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	Available through amazon UK
NYX Nude Matte Shadow	Yes	Manufacturer	Carbon black	Yes	Powder	
Olay Total Effects 7in1 Moisturiser Eye Transforming	Yes	Manufacturer	Zinc oxide	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Orogold Cosmetics 24K Nano Day Recovery	Yes	Manufacturer	Gold	Yes	Suspended in solid	
Orogold Cosmetics 24K Nano Hydra Silk Mask	Yes	Manufacturer	Gold	Yes	Suspended in solid	
Orogold Cosmetics 24K Nano Night Recovery	Yes	Manufacturer	Gold	Yes	Suspended in solid	
Orogold Cosmetics 24K Nano Ultra Silk Serum	Yes	Manufacturer	Gold	Yes	Suspended in solid	
PIZ BUIN MOUNTAIN SUN CREAM AND LIPSTICK - VERY HIGH SPF 50+	Yes	Manufacturer	Bisocotrizole	Yes		
PROTECT & MOISTURE	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
FACE CREAM SPF50 50 ML						
PROTECT & REFRESH SUN LOTION SPF20	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
PROTECT & REFRESH SUN LOTION SPF30	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
SPF30 Sun Pure and Sensitive Lotion 200ml	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Sun Care Very High Protection Mineral Cream SPF50+ 50ml	Yes	Someone else	TiO2	Yes	Suspended in liquid	
Sun Face Fluid SPF 50 50ml	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Sun Sensitive Allergy Spray SPF30	Yes	Manufacturer	Bisoctrizole	Yes	Airborne and Suspended in liquid	
Sun Spray SPF 50+	Yes	Manufacturer	TiO2	Yes	Airborne and	

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
					Suspended in liquid	
Sunright® 35	Yes	Manufacturer	Zinc oxide	Yes	Suspended in liquid	
Tan & Protect Tan Intensifying Sun Lotion SPF15	Yes	Manufacturer	Bisocetrizole	Yes	Suspended in liquid	
Tan & Protect Tan Intensifying Sun Lotion SPF30	Yes	Manufacturer	Bisocetrizole	Yes	Suspended in liquid	
Tinted Sun Fluid for Face SPF50 50ml	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Too Faced Born This Way Concealer	Yes	Manufacturer	TiO2	Yes	Suspended in liquid	
Ultra Light Hydrating Sun Spray SPF15	Yes	Manufacturer	Bisocetrizole	Yes	Suspended in liquid	
Ziaja solcreme – Sun Lotion for Børn SPF 50	Yes	Manufacturer	TiO2	Yes		

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Personal Protective Equipment						
Protective nano face mask Generation 2.0	Yes	Manufacturer	Nanofibers	No		
Air+ Family	Yes	Someone else	Nanoparticles	No		
AireTrust Nano Mask	Yes	Manufacturer	Nanofibers	No		
Alevitta Protect 2.0 Antivirus Nanotechnology Mask	Yes	Manufacturer	Nanofibers	No		
BarriAire™	Yes	Someone else	Nanofibers	No		
BreathTech-S3	Yes	Manufacturer	Nanofibers	No		Only appears to be available in Sri Lanka
CareRX ~ CAREGuard+	Yes	Someone else	Nanofibers	No		
FiiT® mask	Yes	Manufacturer	Nanofibers	No		

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Infection Shield™ Mask with TekFABRIK	Yes	Someone else	Nanofibers	No		
LiquidNano™ DiOX D4 Face Masks	Yes	Manufacturer	DiOX D4	No		
LOG3Mask	Yes	Manufacturer	Nanoparticles	No		
Medical Face Mask Nano 95	Yes	Manufacturer	Activated carbon	No		
N95/N99 Naofiber Face Mask	Yes	Manufacturer	Nanofibers	No		
Nano Face Mask REHABIQ	Yes	Manufacturer	Nanofibers	No		
NANO MED.CLEAN	Yes	Manufacturer	Nanofibers	No		
Nanovia Mask 99.97	Yes	Manufacturer	Nanofibers	No		
NF95 Respirator	Yes	Manufacturer	Nanofibers	No		
NSafe Activ Mask	Yes	Manufacturer	Nanofibers	No		

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
OxiClear Face Mask	Yes	Someone else	Nanofibers	No		
Protek Nano P2	Yes	Manufacturer	Nanofibers	No		
StaClean™ Face Mask	Yes	Manufacturer	Nanoparticles	No		
The 95+ Mask	Yes	Manufacturer	Nanofibers	No		
Wakamono® Mask	Yes	Manufacturer	Nanoparticles	No		
YourMask	Yes	Manufacturer	Nanofibers	No		
Zexeed	Yes	Manufacturer	Nanofibers	No		
Proveil® FFP2	Yes	Manufacturer	Nanofibers	No		
NANOLOGIX	Yes	Manufacturer	Nanofibers	No		
Pro-Larva a-Virion™ Antiviral Face Mask	Yes	Someone else	Nanoparticles	No		
ReSpimask	Yes	Manufacturer	Nanofibers	No		
K-Mask	Yes	Manufacturer	Nanofibers	No		

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Livinguard mask	Yes	Someone else	Nanoparticles	No		
Sonomask™ Pro	Yes	Someone else	Nanofibers	No		
BreaSafe FFP2 Community Mask	Yes	Manufacturer	Silver	No		
4 Layer Black Nano Copper Fiber Mouth Cover	Yes	Manufacturer	Copper	Yes	Surface bound	Available in the EU
Antibacterial face mask with pocket for nanofiber filter 6C	Yes	Someone else	Silver	Yes	Surface bound	Available in the EU
är FFP2 Mask	Yes	Manufacturer	titanium dioxide and silver chloride	No		
Areum Bleu Corp.	Yes	Someone else	Copper	Yes	Surface bound	Available in the EU
Camouflage face mask for	Yes	Someone else	Copper	Yes	Surface bound	Available in the EU

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
men, women/comfortable/Reusable/Copper Fabric						
CoProtex™	Yes	Manufacturer	Copper	No		
DONY Mask	Yes	Manufacturer	Silver	No		
G1 Wonder Mask – Stylo	Yes	Manufacturer	Carbon; carbon nanotubes	Yes	Surface bound	Available in the EU
GENS Nano Face Mask	Yes	Manufacturer	TiO2	No		
Graphene Plus Co-Mask™	Yes	Manufacturer	Graphene	No		
H2H Unisex Mask Copper Nano Mask	Yes	Someone else	Copper	Yes	Surface bound	Available in the EU
Inofilter® 95/99	Yes	Manufacturer	Nanofibers layer of polymer PVDF 0.6/0.8 g/m2	No		

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Nanbabies® Face Masks	Yes	Manufacturer	Silver	Yes		
Nano silver antibacterial mask	Yes	Manufacturer	Silver	No		
Nano Silver Faces-Masks, 3 Layers, Premium Cotton Fabric, Navy	Yes	Manufacturer	Silver	Yes	Surface bound	Available in the EU
Nano Silver Faces-Masks, 3 Layers, Premium Cotton Fabric, White	Yes	Manufacturer	Silver	Yes	Surface bound	Available in the EU
Nano Silver Reusable/Washable Face Mask	Yes	Manufacturer	Silver	Yes	Surface bound	Available in the EU
Nanofiber three-ply face mask made of filter with silver 3PLY FILTER nanosilver®	Yes	Someone else	Silver	Yes	Surface bound	Available in the EU

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Nanoshield™ Antiviral Mask	Yes	Manufacturer	Copper	No		
Nanostitch Mask	Yes	Manufacturer	Copper	No		
NM Membrane for Mask	Yes	Manufacturer	Carbon; carbon nanotubes	Yes	Surface bound	Available in the EU
Reuseable Silver-Nano Face Mask	Yes	Manufacturer	Silver	Yes	Surface bound	Available in the EU
SpectraShield™ Guardian	Yes	Manufacturer	silver-copper zeolite	No		
Washable Mask - Virus, Bacteria, Dust - Viro mask- 4 Layered Activated Carbon nanotube filter- 2 Masks + 8 Free Activated Carbon Nanotube filters	Yes	Someone else	Carbon nanotubes	Yes	Surface bound	Available in the EU

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
ZenGUARD™	Yes	Manufacturer	graphene-silver nanocomposite	No		
Face Mask Type IIR	Yes	Manufacturer	TiO2	No		
Washable Designer Nano Face Mask	Yes	Manufacturer	Silver and Nanofibers	No		
Airific	Yes	Manufacturer	Nanofibers	No		
FFP2 RD Graphene-Enhanced Protective Face Mask	Yes	Manufacturer	Graphene	No		
FFP2 Washable Mask	Yes	Manufacturer	Silver	No		
Graphene Enhanced Mask	Yes	Manufacturer	Carbon; carbon nanotubes	Yes	Surface bound	Available in the EU
Graphene-enhanced	Yes	Manufacturer	Carbon; carbon nanotubes	Yes	Surface bound	Available in the EU

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Facemask with strap adjuster						
Invisi Smart Mask™	Yes	Someone else	TiO2	No		
Nano Face Cover (Cheetah, Small)	Yes	Manufacturer	Silver	Yes	Surface bound	Available in the EU
Nano Silver Faces-Masks, 3 Layers, Premium Cotton Fabric, Black	Yes	Manufacturer	Silver	Yes	Surface bound	Available in the EU
SPURTEX VS L2	Yes	Manufacturer	zinc oxide nanoparticles	No		
Textiles						
350TC Nano-Tex® Sheet Set	Yes	Manufacturer	Silver	No		
Baby Blanket	Yes	Manufacturer	Silver	Yes	Surface bound	Dead Product
Badekarslift Kanjo Silverline	Yes	Manufacturer	Silver	Yes	Surface bound	Dead Product

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Bakterieafvisende (bathtub lift)						
Badekarslift Kanjo Silverline XXL 170 kg	Yes	Manufacturer	Silver	Yes	Surface bound	Dead Product
CeNano Hygiene Matten (Mattress)	Yes	Manufacturer	Silver	Yes	Surface bound	Dead Product
Contour-Foam™ Silver Back-Support Pillow	Yes	Manufacturer	Silver	Yes	Surface bound	Dead Product
Contour-Foam™ Silver Crescent Travel and Nap Pillow	Yes	Manufacturer	Silver	Yes	Surface bound	25 nm diameter. Dead Product
Contour-Foam™ Silver Neck-Support Pillow	Yes	Manufacturer	Silver	Yes	Surface bound	Dead Product
Cotton Sheet Set	Yes	Manufacturer	Silver	No		Dead Product. UK company

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
GreenYarn Fleece Slumber Gear	Yes	Manufacturer	Carbon	Yes	Surface bound	
Luxury design nano pillow	Yes	Manufacturer	Silver	Yes	Surface bound	Dead Product
Nano Silver Foam Pillow	Yes	Manufacturer	Silver	Yes	Surface bound	Dead Product
Nano silver pillow for treating cervical vertebra	Yes	Manufacturer	Silver	Yes	Surface bound	Dead Product
Nano-Sphere Pillow	Yes	Manufacturer	Ceramics	Yes		
Night Therapy Elite 2.5" MyGel® Mattress Topper	Yes	Someone else	Silver	No		
Night Therapy Mattress Toppers with Nano Silver	Yes	Manufacturer	Silver	Yes	Surface bound	Dead Product
Precious Protechtor Baby Vest	Yes	Manufacturer	Silver	Yes	Surface bound	Dead Product

Product category/ name	Product nano claim	Nano claim Source	Nano material used	Physical / chemical data available	Location of nano element	Notes (at the time of writing)
Precious Protektor Sleepsuit or Babygro	Yes	Manufacturer	Silver	Yes	Suspended in solid	
Scratch Mitts	Yes	Manufacturer	Silver	Yes	Surface bound	Dead Product
Sleepsuit	Yes	Manufacturer	Silver	Yes	Surface bound	Dead Product
Raypath „Sunbeam SPORT“ håndklæde	Yes	Manufacturer	Silver	Yes	Surface bound	
Nano-San® Antibacterial mat for diaper changing table	Yes	Manufacturer	Silver	Yes	Surface bound	Dead Product
Pet life Wick-Away Dog Bed	Yes	Someone else	Silver	Yes	Surface bound	

Where cell is blank no Information is available

Supplementary Information 7: Product details for products where the presence of nanoelement is unknown

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Toys						
4 propeller til Habrok Nano drone - sort/hvid	Yes	Unknown	Unknown	No	Unknown	Only available in Denmark
Ain Supplio Pencil	Yes	Manufacturer	Unknown	No	Unknown	Dead Product
Aqua Dance Toy	Yes	Unknown	Unknown	Yes	Surface bound	
FG Flight Nano Quad X4 Quadcopter	Yes	Unknown	Unknown	No	Unknown	Product available in the EU
Glow-in-the-Dark Bucky balls Magnets Supraballs	Yes	Manufacturer	Unknown	No	Unknown	
Hamleys RC Nano Drone Pro	Yes	Unknown	Unknown	No	Unknown	Dead Product

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
HEXBUG Nano Space Lunar Expedition	Yes	Manufacturer	Unknown	Yes	Suspended in solid	Dead Product
Hexbug Nano Spiral Accessory Set	Yes	Manufacturer	Unknown	Yes	Suspended in solid	Dead Product
Hexbug Nano Spiral Starter Pack	Yes	Manufacturer	Unknown	Yes	Suspended in solid	Dead Product
Hexbug Nano Straight Bridges	Yes	Manufacturer	Unknown	No	Suspended in solid	Dead Product
HEXBUG Nano V2 Barrel Roll Set	Yes	Manufacturer	Unknown	Yes	Suspended in solid	Dead Product
HEXBUG Nano V2 Bridge Battle Toy Interlocking Building Sets	Yes	Manufacturer	Unknown	Yes	Suspended in solid	
Hexbug Nano v2 Helix 180 large play set	Yes	Manufacturer	Unknown	Yes	Suspended in solid	
Hexbug Nano V2 Infinity Loop	Yes	Manufacturer	Unknown	Yes	Suspended in solid	Dead Product

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
HEXBUG Nano V2 Neon Hurricane	Yes	Manufacturer	Unknown	Yes	Suspended in solid	Dead Product
HEXBUG Nano V2 Orbit Set	Yes	Manufacturer	Unknown	Yes	Suspended in solid	Dead Product
HEXBUG Nano, 5-Pack	Yes	Manufacturer	Unknown	Yes	Suspended in solid	Dead Product
HEXBUG Newton Series Holiday Nano Reindeer Pull Santa's Sleigh (Brown)	Yes	Manufacturer	Unknown	Yes	Suspended in solid	Dead Product
HEXBUG Transformers Nano Play Toy	Yes	Manufacturer	Unknown	Yes	Suspended in solid	Dead Product
HEXBUG® Nano Zipline Set	Yes	Manufacturer	Unknown	No		Dead Product
HEXBUG® V2 Nano Tower Infinity Loop Set	Yes	Manufacturer	Unknown	No		Dead Product
Nano Plush Toys	Yes	Manufacturer	Unknown	Yes	Surface bound	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Red5 Remote Control Flying UFO	Yes	Unknown	Unknown	No		Product available in the EU
Silverlit Toys Nano Falcon Remote Control Helicopter - Gold and Black	Yes	Unknown	Unknown	No		Dead Product
Silverlit Toys Nano Falcon XS Remote Control Helicopter - Orange	Yes	Unknown	Unknown	No		Dead Product
Silverlit Toys Nano Spy Cam Helicopter - 2.4 GHz White and Gold	Yes	Unknown	Unknown	No		Product available in the EU
HEXBUG Nano V2 Gravity Loop Set	Yes	Manufacturer	Unknown	Yes	Suspended in solid	Dead Product
HEXBUG Glow in The Dark Nano	Yes	Manufacturer	Unknown	Yes	Suspended in solid	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Hexbug Nano Cat Toy	Yes	Manufacturer	Unknown	Yes	Suspended in solid	
Hexbug Nano Christmas Ornament, Random Color	Yes	Manufacturer	Unknown	Yes	Suspended in solid	
Hexbug Nano Curved Bridges	Yes	Manufacturer	Unknown	Yes	Suspended in solid	
Hexbug Nano Easter Egg, Random Color	Yes	Manufacturer	Unknown	Yes	Suspended in solid	
Hexbug Nano Mutant Zombie	Yes	Manufacturer	Unknown	Yes	Suspended in solid	
Hexbug Nano Nitro 5 Pack Set	Yes	Manufacturer	Unknown	No		Product available in the EU
Hexbug Nano Nitro Habitat Set	Yes	Manufacturer	Unknown	No		Product available in the EU
Hexbug Nano Nitro Slingshot	Yes	Manufacturer	Unknown	No		Product available in the EU

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
HEXBUG Nano Space Galactic Base	Yes	Manufacturer	Unknown	Yes	Suspended in solid	
HEXBUG Nano Space Line Zip	Yes	Manufacturer	Unknown	Yes	Suspended in solid	
HEXBUG Nano V2 Single Pack	Yes	Manufacturer	Unknown	Yes	Suspended in solid	
HEXBUG Nano V2 Sky Max Set	Yes	Manufacturer	Unknown	Yes	Suspended in solid	
Hexbug Nano, Random Color	Yes	Manufacturer	Unknown	Yes	Suspended in solid	
HEXBUG Neon Nano V2 + 1 Glow in the Dark Bugs	Yes	Manufacturer	Unknown	Yes	Suspended in solid	
Nano V2 High Five	Yes	Manufacturer	Unknown	Yes	Suspended in solid	
One Hexbug Nano Glow-in-the-Dark Micro-Robotic Creature	Yes	Unknown	Unknown	Yes	Suspended in solid	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Ravensburger Bugs In The Kitchen Game	Yes	Unknown	Unknown	Yes	Surface bound	
Cosmetics						
3LAB Ginseng The Eye Cream	Yes	Someone else	Unknown	Yes	Suspended in liquid	
3LAB Perfect Body Cream	Yes	Someone else	Unknown	Yes	Suspended in liquid	Dead Product
3LAB Perfect Hand Cream	Yes	Someone else	Unknown	Yes	Suspended in liquid	Unavailable currently
3LAB Perfect Lips	Yes	Someone else	Unknown	Yes	Suspended in liquid	Dead Product
3LAB Perfect Repair	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	Dead Product
Akcia NANO aktivna pena 250ml	Yes	Manufacturer	Unknown	Yes	Airborne and Suspended in liquid	
All Day Suncare SPF 30	No	Unknown	Unknown	Yes	Suspended in liquid	Dead Product
ASTALIFT Lunamer UV	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Protector SPF40						
ASTALIFT SPF 35 DAY PROTECTOR LOTION	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Awake Nano Lotion White	Yes	Someone else	Unknown	Yes	Suspended in liquid	Available in the EU
BIONOVA Cosmetics	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	Available in the EU
Bionova Facial Anti-Stress Care	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Calming Emulsion	Yes	Someone else	Unknown	Yes	Suspended in liquid	Dead Product
Christian Dior DiorSkin Extreme Fit Extreme Wear Flawless Makeup SPF15 - # 011 (Vanilla)	Yes	Someone else	Unknown	Yes	Airborne and Suspended in liquid	Dead Product
DIOR DIORSHOW	Yes	Someone else	Unknown	Yes	Suspended in liquid	Dead Product

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
NEW LOOK Multi-Dimensional Volume & Treatment Mascara 10ml						
Dior Transatlantique Gloss	Yes	Someone else	Unknown	Yes	Suspended in liquid	Dead Product
DIORSHOW NEW LOOK MASCARA LASH-MULTIPLYING EFFECT VOLUME & CARE 264 NEW LOOK BLUE	Yes	Someone else	Unknown	No		Dead Product
DIORSHOW NEW LOOK MASCARA LASH-MULTIPLYING EFFECT VOLUME & CARE 694 NEW LOOK BROWN	Yes	Someone else	Unknown	Yes	Suspended in liquid	Dead Product

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
DIORSHOW NEW LOOK MASCARA LASH- MULTIPLYING EFFECT VOLUME AND CARE 090 NEW LOOK BLACK	Yes	Manufacturer	Unknown	No		Dead Product
Dior skin Forever - Extreme Wear Flawless Makeup FPS 25	Yes	Manufacturer	Unknown	No		Dead Product
Divaderme Diva FX II	Yes	Someone else	Unknown	Yes	Suspended in liquid and Suspended in solid	
Essie love sheen Nail Polish	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	Dead Product
Essie no shrinking violet Nail Polish	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	Dead Product

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Eucerin Sun Protection, Sun Creme LSF 30	No	Someone else	none reported	No		Available in the EU, not found under the UK website https://www.eucerin.co.uk/products/sun-protection
Eye Contour Nanolift	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Fiji Nano Fresh-Dark Dha Free Brz	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Floractive W Two Flex Progressive Hair Straightening Nano Technology	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
FUJIFILM ASTALIFT AC Skin Conditioner	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
FUJIFILM ASTALIFT Emulsion	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
FUJIFILM ASTALIFT Essence Destiny	Yes	Manufacturer	Unknown	Yes	Airborne and Suspended in liquid	Dead Product
FUJIFILM ASTALIFT Jelly Aquarysta	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	Dead Product
FUJIFILM ASTALIFT Lunamer AC Gel Cream	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
FUJIFILM ASTALIFT Lunamer Brightener	Yes	Manufacturer	Unknown	Yes	Airborne and Suspended in liquid	
FUJIFILM ASTALIFT Lunamer Clear Cleansing Oil	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
FUJIFILM ASTALIFT	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Lunamer Clear Wash						
FUJIFILM ASTALIFT Lunamer Cream	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
FUJIFILM ASTALIFT Lunamer Emulsio	Yes	Manufacturer	Unknown	Yes	Airborne and Suspended in liquid	
FUJIFILM ASTALIFT Lunamer Lotion	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
FUJIFILM ASTALIFT Whitening Cream	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
FUJIFILM ASTALIFT Whitening Lotion	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Glycol-X Treatment Cream	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Glycol-X Treatment Lotion	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Hair Streigh Blowout Protein Amazon Premium Mask P1	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Hair Streigh Blowout Protein Amazon Premium Mask P2	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Hair Streigh Blowout Protein Amazon Premium Shampoo	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
iBeauty Nano Handy Mist Spray Atomization Humectant Facial Gold	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
IS Clinical SPF 20 Moisturizing Treatment Sunscreen	Yes	Someone else	Unknown	Yes	Suspended in liquid	
ISIS PHARMA NANO AGE	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
ISIS PHARMA NANO C PREMIUM	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
ISIS PHARMA NANO WHITE	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Japanese Vitamin C cosmetic lotion Serevu~ina Ocean nano moist gel 60g	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	Available in the EU
Komenuka Bijin NSK A-10 Cream	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Komenuka Bijin NSK C-10 Essence	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
KOSE by KOSE - Rutina Nano-Force Nourishing Milk	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Lashfood BROWFOOD Tinted Brow Enhancing Gelfix	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
LASHFOOD Conditioning Chamomile Eye Makeup Remover	Yes	Someone else	Unknown	Yes	Suspended in liquid	
LASHFOOD Conditioning Drama Mascara	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
LASHFOOD Conditioning Liquid Eyeliner	Yes	Someone else	Unknown	Yes	Suspended in liquid	
LASHFOOD Natural eyebrow conditioner	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Lior Gold Paris Nano Eye Cream	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Lior Gold Paris Nano Neck Cream	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Lyphazome and Celazome Cosmetics and Sunscreens	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	Available in the EU
Minetan Nanomist Tan Compact	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Multi-Dimensional 10 x Bronzing Lotion	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Nails inc Chelsea Embankment Mews NailBright NailKale	Yes	Someone else	Unknown	Yes	Suspended in liquid	Dead Product
Nails inc Crown Place All Fired Up Gel Effect	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	Dead Product

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Nails inc Knightsbridge Mews NailBright NailKale	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	Dead Product
Nails inc Nobel Street All Fired Up Gel	Yes	Someone else	Unknown	Yes	Suspended in liquid	
Nails inc Portland Square All Fired Up Gel Effect	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	Dead Product
Nails inc Victoria NailKale	Yes	Someone else	Unknown	Yes	Suspended in liquid	Dead Product
Nano X - Multiplex Bronzing Lotion	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
no Dark 30x Bronzer Tanning Lotion	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
PROXIPHEN-N (PROX-N) & NANO SHAMPOO	Yes	Someone else	Unknown	No		

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
RenLee Nano Vitamin C Powder	Yes	Someone else	Unknown	Yes	Powder	
RenLee Nano-Technology Collagen Serum	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
RevitaLift Double Lifting	Yes	Someone else	Unknown	Yes	Suspended in liquid	Dead Product
Sanders Perry Nano Ion Cluster Green	Yes	Manufacturer	Unknown	Yes	Suspended in solid	
StriVectin-NE NanoExfoliant For The Hands	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Styli-Style 24-Hr Power Nano Liner 24-Eyes-Black	Yes	Manufacturer	Unknown	No		
Styli-Style 24-Hr Power Nano Liner 24-Eyes-Black Brown	Yes	Manufacturer	Unknown	No	Suspended in liquid	
Styli-Style 24-Hr Power Nano	Yes	Manufacturer	Unknown	No		

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Liner 24-Eyes-Carbon Black						
Styli-Style Nano Liner 24 for Eyes 854 Grey	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	Lost NANO claim
SUPER AQUA Cosmetics	Yes	Someone else	Unknown	Yes	Suspended in liquid	Available in the EU
Up Tight Firming Peptide Complex	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Up Tight Firming Peptide Creme	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
W One Nano Protein Formaldehyde	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Absolute New York Liquid Liner (NANO)	Yes	Manufacturer	Unknown	No		
Brazilian Professional Liss Nanotech Keratin Treatment	Yes	Someone else	Unknown	Yes	Suspended in liquid	Available in the EU

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
DNA Skin Optimizer SPF 20 Fluid	Yes	Someone else	Unknown	Yes	Suspended in liquid	
Essie point of blue Nail Polish	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	Available in the EU
Fiji Blend Nano Fresh DHA-Free Bronzing Complex Tanning Lotion	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Floractive W. One Nano Protein Progressive Hair Straightening	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
FUJIFILM ASTALIFT Night Cream	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
FUJIFILM ASTALIFT NUTURING EYE CREAM	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
FUJIFILM ASTALIFT	Yes	Manufacturer	Unknown	Yes	Airborne and	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Whitening Essence Infil					Suspended in liquid	
ISIS PHARMA NANO PURE	Yes	Manufacturer	Unknown	Yes	Powder	
JJ Nano Mister	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
LASHFOOD BrowFood 24H Tri-Feather Brow Pen Dark Blonde	Yes	Manufacturer	Unknown	Yes	Surface bound	
LASHFOOD BrowFood 24H Tri-Feather Brow Pen Dark Brunette	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
LASHFOOD BROWFOOD Brow Enhancing Gelfix	Yes	Someone else	Unknown	Yes	Suspended in liquid	
LASHFOOD BrowFood Ultra Fine Pencil Duo	Yes	Someone else	Unknown	Yes	Surface bound	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
LASHFOOD Conditioning Collagen Primer	Yes	Someone else	Unknown	Yes	Suspended in liquid	
LASHFOOD Conditioning Lash Primer	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Nails inc Montpelier Walk NailKale	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Nanoblur™ colour corrector – green	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Nanoblur™ colour corrector – purple	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Nanoblur™ colour corrector – yellow	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Nanolash Eyebrow Serum 5 ml	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Nanolash Eyelash Conditioner	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Nanolash Eyelash Serum 3 ml	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Professional Brazilian Treat Clean Nanofix Clinical Balance Shampoo	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	Available in the EU
Restructuring Ampoule Tutto In One Power Dose	Yes	Someone else	Unknown	Yes	Suspended in liquid	
Sephora Collection Nano Eyeliner	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Sephora Collection Nano Eyeliner 24 Chlorophyll	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Sephora Nano Lip Liner	Yes	Someone else	Unknown	Yes	Suspended in liquid	
Shiseido The Makeup Dual Balancing Foundation	Yes	Someone else	Unknown	Yes	Powder	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Shiseido 'The Makeup' Dual Balancing Foundation SPF 17	Yes	Someone else	Unknown	Yes	Surface bound	
DHC Pore Lotion	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
3LAB ginseng serum	Yes	Someone else	Unknown	Yes	Suspended in liquid	Available in the EU
3LAB M Cream	Yes	Someone else	Unknown	Yes	Suspended in liquid	
3LAB Perfect BB Cream – Shade 3	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
3LAB Perfect Beautifying Toner	Yes	Someone else	Unknown	Yes	Suspended in liquid	
3LAB Perfect Cleansing Gel	Yes	Someone else	Unknown	Yes	Suspended in liquid	
3LAB Perfect Cleansing Scrub	Yes	Someone else	Unknown	Yes	Suspended in liquid	Available in the EU
3LAB Super Cream	Yes	Someone else	Unknown	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
3LAB Super Eye Treatment	Yes	Someone else	Unknown	Yes	Suspended in liquid	Available in the EU
3LAB Super Face	Yes	Someone else	Unknown	Yes	Suspended in liquid	
3LAB Super H Serum (Spray)	Yes	Someone else	Unknown	Yes	Suspended in liquid	
3LAB The Perfect Cream	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Annemarie Börlind SYSTEM ABSOLUTE anti-aging eye cream	Yes	Someone else	Unknown	Yes	Suspended in liquid	Available in the EU
Annemarie Börlind SYSTEM ABSOLUTE System Anti-Aging Cleansing Lotion	Yes	Someone else	Unknown	Yes	Suspended in liquid	Available in the EU
Annemarie Börlind SYSTEM ABSOLUTE	Yes	Someone else	Unknown	Yes	Suspended in liquid	Available in the EU

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
System Anti-Aging Day Cream						
Annemarie Börlind SYSTEM ABSOLUTE System Anti-Aging Day Cream light	Yes	Someone else	Unknown	Yes	Suspended in liquid	Available in the EU
Annemarie Börlind SYSTEM ABSOLUTE System Anti-Aging Night Cream	Yes	Someone else	Unknown	Yes	Suspended in liquid	Available in the EU
Annemarie Börlind SYSTEM ABSOLUTE System Anti-Aging Night Cream light	Yes	Someone else	Unknown	Yes	Suspended in liquid	Available in the EU
Annemarie Börlind SYSTEM	Yes	Someone else	Unknown	Yes	Suspended in liquid	Available in the EU

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
ABSOLUTE: System Anti-Aging Beauty Fluid						
Bain de Terre Recovery Complex Anti-Frizz Serum	Yes	Someone else	Unknown	Yes	Suspended in liquid	
Charlotte Tilbury - Flawless Finish Skin Kit	Yes	Manufacturer	Unknown	Yes	Airborne Powder	
Coco Mademoiselle Fresh Moisture Mist	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Crème Symphonique Day-Time	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Crème Symphonique Day-Time, Dry Skin	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Crème Symphonique Night-Time	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Dior Addict Gloss	Yes	Someone else	Unknown	Yes	Suspended in liquid	
DIOR DIORSKIN FOREVER Pressed Powder Refill	Yes	Someone else	Unknown	Yes	Powder	
Diorskin Forever compact	Yes	Manufacturer	Unknown	Yes	Powder	
Essie art new beau Nail Polish	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Essie blush stroke Nail Polish	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Essie groove is in the heart Nail Polish	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Essie highest bidder Nail Polish	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Essie make some noise Nail Polish	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	Available in the EU

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Essie melody maker Nail Polish	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Essie muse, myself Nail Polish	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Essie pen & inky Nail Polish	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Essie white page Nail Polish	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Facial Steamer Nano Ultrasonic Humidifier Moisturize Red	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
FUJIFILM ASTALIFT Cream	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Handy Nano Mist Spray	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
HYDRA ZEN CREAM	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Kinetics Nano Rhino Nail Treatment	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Kinetics Nano Seal Nail Treatment	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Kinetics Nano Shark Nail Treatment	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Koch Chemistry Nano Magic Shampoo 750 ml	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Lancome Hydra Zen Soothing Ant-Stress Day Cream SPF15	Yes	Someone else	Unknown	Yes	Suspended in liquid	
L'ANZA Healing Volume Root Effects	Yes	Someone else	Unknown	Yes	Suspended in liquid	
L'ANZA KERATIN HEALING OIL CONDITIONER	Yes	Someone else	Unknown	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
L'ANZA KERATIN HEALING OIL SHAMPOO	Yes	Someone else	Unknown	Yes	Suspended in liquid	
Nails inc Belgravia Road '6 free' Nailpure Nail polish	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Nails inc Bruton Mews NailKale	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Nails inc Hampstead Grove NailKale	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Nails inc Hyde Park Court Gel Effect	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Nails inc Marylebone High Street NailKale	Yes	Someone else	Unknown	Yes	Suspended in liquid	
Nails inc Mayfair Lane Gel Effect	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Nails Inc Nailpure Nail	Yes	Someone else	Unknown	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Polish in Bond Street Passage						
Nails inc Palace Gardens NailKale	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Nails inc Palace Gardens NailKale Nail polish	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Nails inc Porchester Square Gel Effect	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Nails inc Spencer Street fuelled by Charcoal Nail polish	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Nails inc St John's Wood Gardens NailKale	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Nanoblur™	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
NIOD PHOTOGRAPHY FLUID, OPACITY 12%	Yes	Someone else	Unknown	Yes	Suspended in liquid	
Platinum Blond Macadâmia Tahiti Grape Seed Hair Botox Mask	Yes	Someone else	Unknown	Yes	Suspended in liquid	Available in the EU
Serge Lutens Blusher	Yes	Manufacturer	Unknown	Yes	Powder	
Shahnaz Husain Nano Sun Block SPF 25	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Shahnaz Husain Nano Sun Block SPF 40	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Shahnaz Husain Nano Sun Block SPF 60	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Softness Nourish Ztox Bto.x Nanocrystallizati	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	Available in the EU

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
on Macadamia Mask						
STILA HUGE EXTREME LASH MASCARA	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
TARTE TARTEIST DOUBLE TAKE EYELINER	Yes	Someone else	Unknown	Yes	Suspended in liquid	
Thann Oil Free SPF30 Facial Sunscreen	Yes	Someone else	Unknown	Yes	Suspended in liquid	
The Instant Restore Total Repair Mask	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	Available in the EU
Tigi Tweens Re-Energize Bed Head	Yes	Manufacturer	Unknown	Yes	Airborne and Suspended in liquid	
Tigi Tweens Resurrection Bed Head	Yes	Someone else	Unknown	Yes	Airborne and Suspended in liquid	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Wise Nano Collagen SPF50 Sunscreen	Yes	Someone else	Unknown	Yes	Suspended in liquid	
WW Eye Creme	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	
Zap Blond Care Mask	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	Available in the EU
Zap Blond Care Shampoo	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	Available in the EU
Zap Pro Life Nanofix Deep Cleansing Shampoo	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	Available in the EU
Zap Pro Life Nanofix Hair Treatment	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	Available in the EU
Zap Professional Restore Total Repair Shampoo	Yes	Manufacturer	Unknown	Yes	Suspended in liquid	Available in the EU
Charlotte Tilbury - 'Air Brush Flawless Finish'	Yes	Manufacturer	Unknown	Yes	Powder	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Skin Perfecting Micro-Powder						
Personal Protective Equipment						
BRIGHT BLUE MASK WITH HALOMASK NANOFILTER™ TECHNOLOGY	Yes	Manufacturer	Unknown	Yes	Surface bound	Available in the EU
DARK NAVY MASK WITH HALOMASK NANOFILTER™ TECHNOLOGY	Yes	Manufacturer	Unknown	Yes	Surface bound	Available in the EU
Halo Life Face Mask - BLACK MESH SPORT MASK WITH HALO NANOFILTER™ TECHNOLOGY	Yes	Manufacturer	Unknown	Yes	Surface bound	Available in the EU
HALOMASK UNITY EDITION BLACK MASK WITH	Yes	Manufacturer	Unknown	Yes	Surface bound	Available in the EU

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
NANOFILTER™ TECHNOLOGY						
HALOMASK UNITY EDITION BLUE MASK WITH NANOFILTER™ TECHNOLOGY	Yes	Manufacturer	Unknown	Yes	Surface bound	Available in the EU
MINT GREEN MASK WITH HALOMASK NANOFILTER™ TECHNOLOGY	Yes	Manufacturer	Unknown	Yes	Surface bound	Available in the EU
Nomex® Nano Flex	Yes	Someone else	Unknown	No		Aimed at industrial workers and emergency responders
PINK MASK WITH HALOMASK NANOFILTER™ TECHNOLOGY	Yes	Manufacturer	Unknown	Yes	Surface bound	Available in the EU
WHITE MESH MASK WITH GRAY TRIM	Yes	Manufacturer	Unknown	Yes	Surface bound	Available in the EU

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
AND HALO NANOFILTER™ TECHNOLOGY						
WHITE MESH MASK WITH HALO NANOFILTER™ TECHNOLOGY	Yes	Manufacturer	Unknown	Yes	Surface bound	Available in the EU
Halo Life Face Mask - BLACK MESH MASK WITH GRAY TRIM WITH HALO NANOFILTER™ TECHNOLOGY	Yes	Manufacturer	Unknown	Yes	Surface bound	Available in the EU
Nano-Tech Face Mask CMK-3	Yes	Manufacturer	Unknown	Yes	Surface bound	Available in the EU
SILVADUR Antibacterial Smart Fabric Face Mask	Yes	Someone else	Unknown	No		
Textiles						

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Blankets and Throws	Yes	Manufacturer	Unknown	Yes	Surface bound	
Cafémarkise Café 500	Yes	Manufacturer	Unknown	Yes	Surface bound	
Eco friendly Nano fir handmade health pillow	No	Unknown	Unknown	Yes	Surface bound	Dead Product
Health care nano Vitality Pillow	No	Unknown	Unknown	Yes	Surface bound	Dead Product
HealthSmart™ Bed	Yes	Manufacturer	Unknown	Yes	Surface bound	
Inflatable travel neck pillow	Yes	Manufacturer	Unknown	No	Surface bound	Dead Product
Nano Blanket Pillow 2in1	Yes	Unknown	Unknown	Yes	Surface bound	
Nano Cool Pillow	No	Unknown	Unknown	Yes	Surface bound	Dead Product
Nano Far Infrared Health Pillow	Yes	Manufacturer	Unknown	Yes	Surface bound	Dead Product

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Nano Far Infrared Pillow	Yes	Manufacturer	Unknown	Yes	Surface bound	Dead Product
Nano Fiber Memory Foam Pillow	No	Unknown	Unknown	Yes	Surface bound	Dead Product
Nano Fragrance Pillow	No	Unknown	Unknown	Yes	Surface bound	
Nano-Aire Pillow	No	Unknown	Unknown	Yes	Surface bound	
nanodeck® Textiles & leather	Yes	Manufacturer	Unknown	No		
Nanodream Pillow Liners	Yes	Manufacturer	Unknown	No		
Nano-Flow Pillow	Yes	Manufacturer	Unknown	Yes	Surface bound	
Nano-healthcore Pillow	Yes	Manufacturer	Unknown	Yes	Surface bound	Dead Product
Nano-Pel™ Mattress	Yes	Manufacturer	Unknown	Yes	Surface bound	Nanowhiskers

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Neck Pillow 1	Yes	Unknown	Unknown	Yes	Surface bound	Dead Product
Neck Pillow 2	No	Unknown	Unknown	Yes	Surface bound	Dead Product
Outdoor Relax-Möbel deluxe (outdoor chairs)	Yes	Manufacturer	Unknown	Yes	Surface bound	Dead Product. Manufacturer no longer supplying UK due to Brexit
Relief-Decke (Blanket)	Yes	Manufacturer	Unknown	Yes	Suspended in solid	Dead Product
Rumpl NanoLoft Puffy Blanket - Prism Geo	Yes	Manufacturer	Unknown	Yes	Surface bound	Dead Product
Rumpl NanoLoft Puffy Blanket - R100	Yes	Manufacturer	Unknown	Yes	Surface bound	
Rumpl NanoLoft Puffy Blanket - Sacred Geometry	Yes	Manufacturer	Unknown	Yes	Surface bound	
Rumpl NanoLoft Puffy Blanket - Whiteout Wash	Yes	Manufacturer	Unknown	Yes	Surface bound	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Rumpl NanoLoft Puffy Blanket - Winther Horizon	Yes	Manufacturer	Unknown	Yes	Surface bound	
Serta iComfort Premium Head and Body Support - Gray	Yes	Manufacturer	Unknown	Yes	Surface bound	
Serta iComfort Premium Head Support - Gray	Yes	Manufacturer	Unknown	Yes	Surface bound	Dead Product
Super Stain-Resistant Gripper™ Cushions	Yes	Manufacturer	Unknown	Yes	Surface bound	
Terrassemarkise Stil 100	Yes	Manufacturer	Unknown	Yes	Surface bound	
Terrassemarkise Stil 200	Yes	Manufacturer	Unknown	Yes	Surface bound	
Terrassemarkise Stil 300	Yes	Manufacturer	Unknown	Yes	Surface bound	
Terrassemarkise Stil 400	Yes	Manufacturer	Unknown	Yes	Surface bound	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Terrassemarkise Stil 500	Yes	Manufacturer	Unknown	Yes	Surface bound	
Terrassemarkise Stil 500 Mini	Yes	Manufacturer	Unknown	Yes	Surface bound	
Terrassemarkise Stil 700	Yes	Manufacturer	Unknown	Yes	Surface bound	
Terrassemarkise Stil 800	Yes	Manufacturer	Unknown	Yes	Surface bound	
Terrassemarkise Stil 900	Yes	Manufacturer	Unknown	Yes	Surface bound	
Terrassemarkise Stil 900 med nedfald	Yes	Manufacturer	Unknown	Yes	Surface bound	
Terrassemarkise Stil 900 Mini	Yes	Manufacturer	Unknown	Yes	Surface bound	
Travel Pillow	No	Unknown	Unknown	Yes	Surface bound	Dead Product
U-shaped pillow	Yes	Unknown	Unknown	No	Surface bound	Dead Product
Wholesale Light Nano Fiber Pillow	No	Unknown	Unknown	Yes	Surface bound	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Power Ionics Far Infrared Rays Health Deep Sleep Eye Mask	Yes	Manufacturer	Unknown	Yes	Surface bound	Available in the EU
Aspen Parka Dog Jacket	Yes	Manufacturer	Unknown	No		
Brinkhaus The Chalet Duvet Medium 8.5 Tog	Yes	Manufacturer	Unknown	Yes	Surface bound	
Crate Pads	Yes	Manufacturer	Unknown	Yes	Surface bound	
Dog Gone Smart (dog bed)	Yes	Manufacturer	Unknown	Yes	Surface bound	
Rumpl NanoLoft Puffy Blanket - Cosmic Soul	Yes	Manufacturer	Unknown	Yes	Surface bound	
Rumpl NanoLoft Puffy Blanket - Fire Fade	Yes	Manufacturer	Unknown	Yes	Surface bound	
Rumpl NanoLoft Puffy Blanket - Realtree Camo	Yes	Manufacturer	Unknown	Yes	Surface bound	

Product category/ name	Product nano claim	Nano claim Source	Nano-material used	Physical / chemical data available	Location of nano element	Notes
Rumpl NanoLoft Puffy Blanket - Ripple Fade	Yes	Manufacturer	Unknown	Yes	Surface bound	
Satechi Desk Mat v2.0	Yes	Manufacturer	Unknown	Yes	Surface bound	

Where cell is blank no Information is available.

Supplementary Information 8: Product information where location of nanoelement is known

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Toys				
A-Play Nano Purple 2.6/2.9, floorballstav, senior	EXEL Sports	Carbon	No	No
Benny the Bear Plush Toy	Pure Plushy	Silver	No	No
Bomo, indoor Robot Baby Carriage	BMGK Co	Silver	No	No
Donny the Dog Plush Toy	Pure Plushy	Silver	No	No
I-Play Nano, floorballstav	EXEL Sports	Carbon	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
NanoSchoolBox - Your baggage for your journey into the nanocosmos	NanoBioNet e.V.	TiO2	No	No
X-Play Nano Black 2.9 floorballstav	EXEL Sports	Carbon	No	No
Cosmetics				
FUJIFILM ASTALIFT UV Protector SPF35/PA+++	Fujifilm	nanolycopene	No	No
alverde getönter Sonnenbalm LSF 20, dunkel, 50 ml	DM	TiO2	No	No
ALVERDE GETÖNTER	DM	TiO2	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
SONNENBAL M LSF 20, HELL, 50 ML				
ALVERDE SONNENBAL SAM KIDS LSF 30, 150 ML	DM	TiO2	No	No
Alverde vitamin sun milk LSF 30, organic tangerine, 200 ml	DM	TiO2	No	No
Ambre Solaire Light & Silky SPF15 Lotion 200 ml	Garnier	TiO2	No	No
Applied Therapeutics Sunscreens	Applied Therapeutics	TiO2	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
AVÈNE SUN CREAM SPF20	Avene	Bisocetrizole	no	No
AVÈNE SUN STICK SPF30	Avene	TiO ₂ , Bisocetrizole	no	No
Bergasol Bronzage Passion Face Cream	Bergasol	TiO ₂ , Bisocetrizole	no	No
Bergasol Bronzage Passion SPF20 Sun Milk 125ml	Bergasol	Bisocetrizole	No	No
BODY GEL COSMETIC NANOLIA pure SILVER Anti-Redness	Nanoliz	Silver	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Chemical-Free Sunscreen SPF 15	Burt's Bees Inc.	TiO2	No	No
Cotz SPF 58	Fallene	Titanium dioxide, Zinc oxide	No	No
Daily Sun Defense SPF 20	SkinCeuticals	Zinc	No	No
Dermatone SPF 20 Natural Formula	Dermatone Laboratories	Titanium dioxide, Zinc oxide	no	No
Dior skin Star Studio Foundation SPF 30	Dior	TiO2	No	No
EUCERIN SUN KIDS MICROPIGMENT LOTION SPF 25	Eucerin	TiO2	no	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
aurinkovoide 150 ml				
Eucerin Sun Lotion Dry Skin SPF 50+	Eucerin	TiO2	no	No
Exclusive Cosmetics With Gold Nano Particles Intensive Anti Wrinkle Elixer Serum	Exclusive Cosmetic	Gold	No	No
False Lash Effect Fusion	Max Factor	Carbon black	No	No
High Protection Mineral Cream SPF 50 50ml	Avène	TiO2	No	No
IS SPF 20 Sunscreen Powder	Innovative Skincare	Titanium dioxide, Zinc oxide	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
L'Oreal Preference Wild Ombre Hair Lightening Cream	L'Oreal	Silicon dioxide	No	No
Lancome Rénergie Microlift	Lancome	Silicon	No	No
Lancome Rénergie Microlift Eye	Lancome	Silicon	No	No
Lancome Rénergie Neck	Lancome	Silicon	No	No
Lash Extension Effect Mascara	Max Factor	Carbon black	No	No
LEOREX Cosmetics	GlobalMed Technologies	Silicon	No	No
Lips 'n Face Protection Creme and	Dermatone Laboratories	Zinc oxide	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Sunblock Crème				
Lorac Natural Performance Foundation	Lorac	TiO2	No	No
L'oreal Age Perfect Pro Calcium Strengthening Day Care	L'Oreal	TiO2	No	No
Loreal Nude Magique Blur Cream	L'Oreal	Silicon dioxide	No	No
Loreal Revitalift Multi-Regenerating Day Cream SPF 20	L'Oreal	TiO2	No	No
Loreal Skin Perfection Unifying Day Moisturiser	L'Oreal	Silicon dioxide	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Max Factor Ageless Elixir Foundation	Max Factor	TiO2	No	No
Max Factor Eye Luminizer Brightener	Max Factor	TiO2	No	No
Max Factor Lash Extension Effect Mascara Washable Waterproof	Max Factor	Carbon black	No	No
Max Factor Masterpiece Glide & Define Liquid Eyeliner	Max Factor	Carbon black	No	No
Max Factor Smooth Effect Foundation	Max Factor	TiO2	No	No
Max factor Xperience	Max Factor	TiO2	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Weightless Foundation				
Maybelline Color Show Nail Lacquer Candy Apple 7ml	Maybelline	Carbon black	No	No
Maybelline Color Show Nail Lacquer Pink Boom 7ml	Maybelline	Carbon black	No	No
MesoSilver® Concentrated Creams	Purest Colloids Inc.	Silver	No	No
MesoSilver® Topical Cream	Purest Colloids Inc.	Silver	No	No
Micro Silk White Lotus Intensive Lotion Mask	Joyona International Marketing Ltd.	Silver	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Micro Silver Products	LR HEALTH AND BEUTY SYSTEMS	Silver	No	No
MOISTURE WHITE™ SHISO BB SERUM INSIDE	The Body Shop	TiO2	No	No
Nails inc Bright Street NailKale	Nails Inc	TiO2	No	No
Nails inc Marylebone Court Nailpure	Nails Inc	TiO2	No	No
Nails inc Old Montague Street The Reflectors	Nails Inc	TiO2	No	No
Nails inc Regents Park NailKale	Nails Inc	TiO2	No	No
Nano Gold 24 Hour Cream	Joyona International Marketing Ltd.	Gold	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
NANOVERTM Cleansing Soap	Nanogist	Silver	No	No
Nivea PROTECT & REFRESH SUN LOTION SPF20	Nivea	TiO2	no	No
Nivea PROTECT & REFRESH SUN LOTION SPF30	Nivea	TiO2	no	No
Nivea Sun Anti-Age Protection Face Sun Cream High SPF 30 - 50 ml	Beiersdorf AG	TiO2	no	No
Nivea Sun Lotion SPF10 200ml	Nivea	TiO2	no	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
no7 Midnight Lash Mascara	No7	Carbon black	No	No
Olay Total Effects BB Eye Cream	Olay	Zinc oxide	No	No
PODOPHARM PRO - PODOFLEX® - ANTIFUNGAL TINCTURE FOR NAILS	Podopharm	Copper	No	No
Q-SunShade SPF 30+ Tinted Zinc Oxide Sunscreen	International Cosmeceuticals Inc.	Zinc oxide	No	No
Revita-Gem Acupuncture without needles	Revita Ge	Silicon	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Revlon Charlie Longwear Face Makeup Nude 30ml	Revlon	Titanium dioxide, zinc oxide	No	No
Revlon Colorstay Makeup Hazelnut 30m	Revlon	Titanium dioxide, zinc oxide	No	No
Revlon Colorstay Stay Natural Make-Up Medium Beige 30ml	Revlon	Titanium dioxide, zinc oxide	No	No
Revlon Colorstay Stay Natural Make-Up Medium Beige 30ml	Revlon	Titanium dioxide, zinc oxide	No	No
Revlon Colorstay Stay Natural Make-	Revlon	Titanium dioxide, zinc oxide	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Up Natural Tan 30ml				
Rosacea Care Sunscreen 30	Rosacea Care	Zinc oxide	No	No
Sircuit O.M.G. SERUM	Sircuit	Fullerenes	No	No
Solar Rx SPF 30+ Nano-Zinc Oxide Sunblock	Keys Soap	Zinc Oxide	No	No
Stherb Sunscreen Nano Complex SPF50 PA+++	St Herb	TiO2	No	No
Sun Lotion SPF10 200 ml	Nivea	TiO2	No	No
Sunprotect Kids SPF40 Light Lotion Spray 300 ml	Clicks	TiO2	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Sunscreen Plus Clear Zinc SPF30+	n/a	Zinc	No	No
SunSense SPF 30+ Sunscreen	NuCelle	Zinc oxide	No	No
THE BODY SHOP BOLD OVERSIZED FELT EYELINER BLACK	The Body Shop	Carbon black	No	No
The body Shop MOISTURE FOUNDATION SPF 15	The Body Shop	Zinc oxide	No	No
The Body Shop SHIMMER CUBE	The Body Shop	Silicon dioxide	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
The Body Shop SKINNY FELT BLACK EYELINER	The Body Shop	Carbon black	No	No
The Body Shop VELVET GEL PEN EYELINER	The Body Shop	Carbon black	No	No
Ultimate UV Defense SPF 30	SkinCeuticals	Zinc oxide	No	No
Urban Decay Revolution High-Color Lipgloss	Urban Decay	Silicon dioxide	No	No
WAH London Immerge The Lava Set	WAH	Titanium dioxide, zinc oxide	No	No
Ambre Solaire Light & Silky	Garnier	TiO2	No	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
SPF30 Lotion 200 ml				
AVÈNE SUN CLEANANCE SPF30	Avène	Bisotrizole	No	Yes
AVÈNE SUN CREAM SPF50+	Avene	METHYLENE BIS- BENZOTRIAZO LYL TETRAMETHYL BUTYLPHENOL (NANO)	no	Yes
Blue Lizard Regular	Crown Laboratories Inc.	Zinc nano?	No	Yes
Dry Skin Sun Lotion SPF 30	Eucerin	TiO2	No	Yes
Green People Organic Children Sun Lotion Medium Level SPF15	Green people	TiO2	No	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Green People Organic Children Sun Lotion Medium Level SPF30	Green people	TiO2	No	Yes
Loreal Age Perfect Moisturising Eye Care Anti-Sagging	L'Oreal	Silicon dioxide	No	Yes
Nailmatic Kids - Vandbaseret neglelak til børn	Nailmatic Kids	Carbon black phosphate	No	Yes
Nails inc King William Walk Sweet Almond Powered by Matcha	Nails Inc	TiO2	No	Yes
Physical UV Defense SPF 30	SkinCeuticals	Titanium dioxide, Zinc oxide	No	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Piz Buin Moisturising Sun Lotion SPF 15	Piz Buin	Tetramethylbutylphenol	No	Yes
Piz Buin Ultra Light Dry Touch Face Fluid SPF 15	Piz Buin	Bisotrizole	No	Yes
Platinum Silver Nanocolloid Cream	DHC Skincare	Platinum, silver	No	Yes
Platinum Silver Nanocolloid Milky Essence	DHC Skincare	Platinum	No	Yes
Refreshing Sun Lotion Low SPF 10 - 200 ml	Nivea	TiO ₂	No	Yes
Shiseido Sheer and Perfect	Shiseido	TiO ₂	No	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Foundation SPF 18				
Wet n Wild Color Icon Eyeshadow Trio	Wet n Wild	Carbon black	No	Yes
Piz Buin Ultra Light Dry Touch Face Fluid SPF 30	Piz Buin	Bisotrizole	No	No
Sport UV Defense SPF 50	SkinCeuticals	Zinc oxide	No	No
Max Factor Clump Defy Extensions Mascara	Max Factor	Carbon black	Yes	Yes
Active Care	Dr. Baumann	Zinc oxide	Yes	Yes
Allergy Sun Sensitive Skin	Piz Buin	Bisotrizole	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Face Cream High SPF30				
Allergy Sun Sensitive Skin Lotion SPF15	Piz Buin	Bisoctrizole	Yes	Yes
Allergy Sun Sensitive Skin Lotion Very High SPF50	Piz Buin	Bisoctrizole	Yes	Yes
AVÈNE LIP BALM WITH COLD CREAM	Avene	TiO2	Yes	Yes
AVÈNE SUN COMPACT FOUNDATION SPF50	Avene	TiO2	Yes	Yes
AVÈNE SUN CREAM TINTED SPF30	Avene	Bisoctrizole	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
AVÈNE SUN LOTION SPF30	Avène	Bisotrizole	Yes	Yes
AVÈNE SUN REFLEXE	Avène	Bisotrizole	Yes	Yes
AVÈNE SUN SPRAY KIDS SPF50+	Avene	Bisotrizole	Yes	Yes
AVÈNE SUN SPRAY SPF20	Avène	Bisotrizole	Yes	Yes
AVÈNE SUN SPRAY SPF30	Avène	Bisotrizole	Yes	Yes
Bioderma Hydrabio Rich	Bioderma	TiO2	Yes	Yes
Bioderma Photoderm MAX Crème SPF 50+	Bioderma	Bisotrizole	Yes	Yes
Blistex Lip Brilliance	Blistex	TiO2	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Blue Lizard BABY	Crown Laboratories Inc.	Titanium, Zinc	Yes	Yes
Blue Lizard Sensitive	Crown Laboratories Inc.	Titanium, Zinc	Yes	Yes
Chantecaille - Nano Gold Energizing Eye Serum	Chantecaille	Gold	Yes	Yes
Chantecaille Nano Gold Energizing Cream	Chantecaille	Gold	Yes	Yes
Chantecaille Nano Gold Energizing Eye Cream	Chantecaille	Gold	Yes	Yes
Chantecaille Radiance Gel Bronzer	Chantecaille	TiO ₂	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Charlotte Tilbury LIGHT WONDER	Charlotte Tilbury	TiO2	Yes	Yes
Charlotte Tilbury Magic Foundation	Charlotte Tilbury	TiO2	Yes	Yes
cor the silver soap mini-size 10g	cor	Silver	Yes	Yes
Dark And Lovely Beautiful Beginnings No-Lye Relaxer	Dark and Lovely	Silicon dioxide	Yes	Yes
Dr Sebagh - Platinum Gold Elixir	Dr Sebagh	Gold, platinum	Yes	Yes
Dr. Baumann - Zink Creme	Dr. Baumann	Zinc oxide	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Dr. Baumann Bleaching Cream	Dr. Baumann	TiO ₂	Yes	Yes
Garnier Nutrisse Ultra Color	Garnier	Silicon dioxide	Yes	Yes
Giorgio Armani Eye Tint	Giorgio Armani	Silicon dioxide	Yes	Yes
Glacier Cream High SPF 30	Piz Buin	TiO ₂	Yes	Yes
Green People Organic Children Sun Lotion SPF30	Green people	TiO ₂	Yes	Yes
Hylamide Finisher Photography Foundation Dark Tan	Hylamide	Silicon dioxide	Yes	Yes
Hylamide Finisher	Hylamide	Silicon dioxide	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Photography Foundation Golden Tan				
Hylamide Finisher Photography Foundation Transparent	Hylamide	Silicon dioxide	Yes	Yes
Idento Lip Serum	Idento	TiO2	Yes	Yes
KIDS PROTECT & CARE POCKET SIZE SUN LOTION SPF50+	Nivea	TiO2	Yes	Yes
Kids Sun Lotion SPF 50+	Eucerin	TiO2	Yes	Yes
L'Oreal Casting Creme Gloss	L'Oreal	Silicon dioxide	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Conditioning Hair Colour				
L'Oreal Excellence Creme Hair	L'Oreal	Silicon dioxide	Yes	Yes
L'Oreal Revitalift Total Repair 10 Multi-Action Moisturiser	L'Oreal	TiO ₂	Yes	Yes
Laura Mercier Smooth Finish Foundation Powder	Laura Mercier	Zinc oxide	Yes	Yes
Loreal Age Perfect Cell Renaissance Serum Intense Regeneration	L'Oreal	Silicon dioxide	Yes	Yes
Loreal La Manicure 7 in 1 Saviour	L'Oreal	Silicon dioxide	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Loreal La Manicure Xtreme Hardener	L'Oreal	Silicon dioxide	Yes	Yes
Loreal Revitalift Face Contours and Neck Supporting Care Anti-Wrinkle + Firming	L'Oreal	Silicon dioxide	Yes	Yes
Loreal Revitalift Laser Precision Eye Cream	L'Oreal	Silicon dioxide	Yes	Yes
Max Factor CC cream	Max Factor	TiO ₂	Yes	Yes
Max factor Glossfinity	Max Factor	Carbon black	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Max Factor Lasting Performance	Max Factor	TiO ₂	Yes	Yes
Max Factor Mastertouch under-eye concealer	Max Factor	TiO ₂	Yes	Yes
Max factor Max Effect Mini Nail Polish	Max Factor	Carbon black	Yes	Yes
Maybelline Color Sensational Shine Gloss Electric Orange 6.8ml	Maybelline	Silicon dioxide	Yes	Yes
Moisturising Sun Lotion SPF 15	Piz Buin	Bisocetrizole	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Moisturising Sun Lotion SPF 20	Nivea	TiO2	Yes	Yes
Moisturising Sun Lotion SPF 30	Piz Buin	Bisotrizole	Yes	Yes
Mountain Sun Cream Very High SPF 50+	Piz Buin	Bisotrizole	Yes	Yes
Nails inc Cambridge Mews '6 free' Nailpure Nail polish	Nails Inc	Carbon black	Yes	Yes
Nails inc Cornwall Gardens Sweet Almond Powered by Matcha	Nails Inc	TiO2	Yes	Yes
Nails inc Hampstead	Nails Inc	TiO2	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Mews '6 free' Nailpure Nail polish				
Nails inc Kings Cross Road The Reflectors	Nails Inc	TiO2	Yes	Yes
Nails inc Mayfair Gardens '6 free' Nailpure Nail polish	Nails Inc	TiO2	Yes	Yes
Nails inc Montpelier Walk '6 free' Nailpure Nail polish	Nails Inc	TiO2	Yes	Yes
Nails Inc Nail Pure in Mayfair Mansion Mews	Nails Inc	TiO2	Yes	Yes
Nails Inc Nailpure Nail	Nails Inc	TiO2	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Polish in London Court				
Nails Inc Nailpure Nail Polish in Regents Place	Nails Inc	TiO2	Yes	Yes
Nails inc Primrose Street The Reflectors	Nails Inc	TiO2	Yes	Yes
Nails inc Prince Arthur Road '6 free' Nailpure Nail polish	Nails Inc	TiO2	Yes	Yes
Nails inc Regent Park '6 free' Nailpure Nail polish	Nails Inc	TiO2	Yes	Yes
Nails inc Tate '6 free'	Nails Inc	TiO2	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Nailpure Nail polish				
Nails inc Uptown nail polish	Nails Inc	TiO2	Yes	Yes
Nails inc Victoria & Albert NailKale	Nails Inc	TiO2	Yes	Yes
Nails inc Victoria '6 free' Nailpure Nail polish	Nails Inc	TiO2	Yes	Yes
Nano Gold Energizing Cream	Chantecaille	Gold	Yes	Yes
NIVEA SUN SPF20 REFRESHING SUN LOTION	Nivea	TiO2	Yes	Yes
NYX Nude Matte Shadow	NYX	Carbon black	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Olay Total Effects 7in1 Moisturiser Eye Transforming	Olay	Zinc oxide	Yes	Yes
Orogold Cosmetics 24K Nano Day Recovery	Orogold	Gold	Yes	Yes
Orogold Cosmetics 24K Nano Hydra Silk Mask	Orogold	Gold	Yes	Yes
Orogold Cosmetics 24K Nano Night Recovery	Orogold	Gold	Yes	Yes
Orogold Cosmetics 24K Nano Ultra Silk Serum	Orogold	Gold	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
PIZ BUIN MOUNTAIN SUN CREAM AND LIPSTICK - VERY HIGH SPF 50+	Piz Buin	Bisoctrizole	Yes	Yes
PROTECT & MOISTURE FACE CREAM SPF50 50 ML	Nivea	TiO2	Yes	Yes
PROTECT & REFRESH SUN LOTION SPF20	Nivea	TiO2	Yes	Yes
PROTECT & REFRESH SUN LOTION SPF30	Nivea	TiO2	Yes	Yes
SPF30 Sun Pure and	Nivea	TiO2	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Sensitive Lotion 200ml				
Sun Care Very High Protection Mineral Cream SPF50+ 50ml	Avène	TiO2	Yes	Yes
Sun Face Fluid SPF 50 50ml	Eucerin	TiO2	Yes	Yes
Sun Sensitive Allergy Spray SPF30	Piz Buin	Bisotrizole	Yes	Yes
Sun Spray SPF 50+	Eucerin	TiO2	Yes	Yes
Sunright® 35	NU SKIN	Zinc oxide	Yes	Yes
Tan & Protect Tan Intensifying Sun Lotion SPF15	Piz Buin	Bisotrizole	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Tan & Protect Tan Intensifying Sun Lotion SPF30	Piz Buin	Bisotrizole	Yes	Yes
Tinted Sun Fluid for Face SPF50 50ml	Eucerin	TiO2	Yes	Yes
Too Faced Born This Way Concealer	Too Faced	TiO2	Yes	Yes
Ultra Light Hydrating Sun Spray SPF15	Piz Buin	Bisotrizole	Yes	Yes
Ziaja solcreme – Sun Lotion for Børn SPF 50	Ziaja	TiO2	Yes	Yes
Personal Protective Equipment				

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Protective nano face mask Generation 2.0	Safety Nano Protect	Nanofibers	No	No
Air+ Family	ST Engineering	Nanoparticles	No	No
AireTrust Nano Mask	4CAir	Nanofibers	No	No
Alevitta Protect 2.0 Antivirus Nanotechnology Mask	Sankom	Nanofibers	No	No
BarriAire™	PGI	Nanofibers	No	No
BreathTech-S3	Sri Lanka Institute of Nanotechnology	Nanofibers	No	No
CareRX ~ CAREGuard+	TreboRRx	Nanofibers	No	No
FiiT® mask	R-PUR	Nanofibers	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Infection Shield™ Mask with TekFABRIK	Infection Shield	Nanofibers	No	No
LiquidNano™ DiOX D4 Face Masks	LiquidNano	DiOX D4	No	No
LOG3Mask	Claros Technologies	Nanoparticles	No	No
Medical Face Mask Nano 95	Respinano	Activated carbon	No	No
N95/N99 Naofiber Face Mask	Medical Protection	Nanofibers	No	No
Nano Face Mask REHABIQ	REHABIQ Medical	Nanofibers	No	No
NANO MED.CLEAN	Nano Medical	Nanofibers	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Nanovia Mask 99.97	Nano2Health	Nanofibers	No	No
NF95 Respirator	Filti	Nanofibers	No	No
NSafe Activ Mask	NanoSafe Solutions	Nanofibers	No	No
OxiClear Face Mask	OxiClear	Nanofibers	No	No
Protek Nano P2	Protek Nano	Nanofibers	No	No
StaClean™ Face Mask	American PPE & Coating Sevices	Nanoparticles	No	No
The 95+ Mask	Nanos Foundation	Nanofibers	No	No
Wakamono® Mask	Wakamono	Nanoparticles	No	No
YourMask	Nano For Health	Nanofibers	No	no
Zexeed	Yamashin	Nanofibers	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Proveil® FFP2	Bioinica	Nanofibers	Yes	No
NANOLOGIX	NANOLOGIX	Nanofibers	Yes	Yes
Pro-Larva a-Virion™ Antiviral Face Mask	Pharm2Farm	Nanoparticles	Yes	Yes
ReSpimask	Repsilon	Nanofibers	Yes	Yes
K-Mask	Kymira Sport	Nanofibers	Yes	Yes
Livinguard mask	Livinguard	Nanoparticles	Yes	Yes
Sonomask™ Pro	Sonovia	Nanofibers	Yes	Yes
BreaSafe FFP2 Community Mask	Nano4Fibers	Silver	No	No
4 Layer Black Nano Copper	GF Gian Ferrente	Copper	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Fiber Mouth Cover				
Antibacterial face mask with pocket for nanofiber filter 6C	Unknown	Silver	No	No
är FFP2 Mask	Polygiene	titanium dioxide and silver chloride	No	No
Areum Bleu Corp.	Kopper+	Copper	No	No
Camouflage face mask for men, women/comfortable/Reusable/Copper Fabric	OTOOLIFE	Copper	No	No
CoProtex™	Govik Healthcare	Copper	No	No
DONY Mask	DONY Garment	Silver	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
G1 Wonder Mask – Stylo	G1 Wonders	Carbon; carbon nanotubes	No	No
GENS Nano Face Mask	Green Earth Nano Science	TiO ₂	No	No
Graphene Plus Co-Mask™	Directa Plus	Graphene	No	No
H2H Unisex Mask Copper Nano Mask	H2H	Copper	No	No
Inofilter® 95/99	Inovenso	Nanofibers layer of polymer PVDF 0.6/0.8 g/m ²	No	No
Nanbabies® Face Masks	Nanbabies®	Silver	No	No
Nano silver antibacterial mask	Anson Nano-biotechnology	Silver	No	No
Nano Silver Faces-Masks,	Aihomi	Silver	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
3 Layers, Premium Cotton Fabric, Navy				
Nano Silver Faces-Masks, 3 Layers, Premium Cotton Fabric, White	Aihomi	Silver	No	No
Nano Silver Reusable/Washable Face Mask	Fifth Avenue Mask	Silver	No	No
Nanofiber three-ply face mask made of filter with silver 3PLY FILTER nanosilver®	Unknown	Silver	No	No
Nanoshield™ Antiviral Mask	Nanoveu	Copper	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Nanostitch Mask	Nanostitch	Copper	No	No
NM Membrane for Mask	Nanomatrix Materials	Carbon; carbon nanotubes	No	No
Reuseable Silver-Nano Face Mask	AntiVtex©	Silver	No	No
SpectraShield™ Guardian	Nexera Medical	silver-copper zeolite	No	No
Washable Mask - Virus, Bacteria, Dust - Viro mask- 4 Layered Activated Carbon nanotube filter- 2 Masks + 8 Free Activated Carbon Nanotube filters	Unknown	Carbon nanotubes	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
ZenGUARD™	Zentek	graphene-silver nanocomposite	No	No
Face Mask Type IIR	CleanShield Group	TiO2	No	Yes
Washable Designer Nano Face Mask	nanoSPACE	Silver and Nanofibers	Yes	Yes
Airific	Nirvana Being	Nanofibers	Yes	Yes
FFP2 RD Graphene-Enhanced Protective Face Mask	Versarien	Graphene	Yes	Yes
FFP2 Washable Mask	Argo Industries	Silver	Yes	Yes
Graphene Enhanced Mask	SQUAT WOLF	Carbon; carbon nanotubes	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Graphene-enhanced Facemask with strap adjuster	planarTECH	Carbon; carbon nanotubes	Yes	Yes
Invisi Smart Mask™	Invisismart	TiO2	Yes	Yes
Nano Face Cover (Cheetah, Small)	NineLife	Silver	Yes	Yes
Nano Silver Faces-Masks, 3 Layers, Premium Cotton Fabric, Black	Aihomi	Silver	Yes	Yes
SPURTEX VS L2	Spur	zinc oxide nanoparticles	Yes	Yes
Textiles				

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
350TC Nano-Tex® Sheet Set	n/a	Silver	No	No
Baby Blanket	Baby Pink or Blue	Silver	No	No
Badekarslift Kanjo Silverline Bakterieafvisende (bathtub lift)	Dietz	Silver	No	No
Badekarslift Kanjo Silverline XXL 170 kg	Dietz	Silver	No	No
CeNano Hygiene Matten (Mattress)	CeNano GmbH & Co. KG	Silver	No	No
Contour-Foam™ Silver	Sharper Image	Silver	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Back-Support Pillow				
Contour-Foam™ Silver Crescent Travel and Nap Pillow	Sharper Image	Silver	No	No
Contour-Foam™ Silver Neck-Support Pillow	Sharper Image	Silver	No	No
Cotton Sheet Set	AgActive	Silver	No	No
GreenYarn Fleece Slumber Gear	Greenyarn LLC	Carbon	No	No
Luxury design nano pillow	Foshan Aiyi Family Article Co., Ltd.	Silver	No	No
Nano Silver Foam Pillow	Ningbo Shida Industry Co., Ltd.	Silver	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Nano silver pillow for treating cervical vertebra	Hangzhou Deep Sleep Textile Co., LTD.	Silver	No	No
Nano-Sphere Pillow	Vital Age	Ceramics	No	No
Night Therapy Elite 2.5" MyGel® Mattress Topper	Night Therapy	Silver	No	No
Night Therapy Mattress Toppers with Nano Silver	Days Mobility Ltd	Silver	No	No
Precious Protechtor Baby Vest	Baby Pink or Blue	Silver	No	No
Precious Protechtor	Baby Pink or Blue	Silver	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Sleepsuit or Babygro				
Scratch Mitts	Baby Pink or Blue	Silver	No	No
Sleepsuit	Baby Pink or Blue	Silver	No	No
Raypath „Sunbeam SPORT“ håndklæde	Raypath	Silver	Yes	Yes
Nano-San® Antibacterial mat for diaper changing table	Wunderlich GmbH & Co. KG	Silver	No	No
Pet life Wick-Away Dog Bed	Pet Life	Silver	No	Yes

n/a no Information available.

Supplementary Information 9: Product information where location of nanoelement is unknown

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Toys				
4 propeller til Habrok Nano drone - sort/hvid	Elgiganten	Unknown	No	No
Ain Supplio Pencil	Pentel	Unknown	No	No
Aqua Dance Toy	Hammacher Schlemmer	Unknown	No	No
FG Flight Nano Quad X4 Quadcopter	FG Flight	Unknown	No	No
Glow-in-the-Dark Bucky balls Magnets Supraballs	Supramagnets	Unknown	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Hamleys RC Nano Drone Pro	Hamleys	Unknown	No	No
HEXBUG Nano Space Lunar Expedition	Hexbug	Unknown	No	No
Hexbug Nano Spiral Accessory Set	Hexbug	Unknown	No	No
Hexbug Nano Spiral Starter Pack	Hexbug	Unknown	No	No
Hexbug Nano Straight Bridges	Hexbug	Unknown	No	No
HEXBUG Nano V2 Barrel Roll Set	Hexbug	Unknown	No	No
HEXBUG Nano V2 Bridge Battle Toy Interlocking Building Sets	Hexbug	Unknown	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Hexbug Nano v2 Helix 180 large play set	Hexbug	Unknown	No	No
Hexbug Nano V2 Infinity Loop	Hexbug	Unknown	No	No
HEXBUG Nano V2 Neon Hurricane	Hexbug	Unknown	No	No
HEXBUG Nano V2 Orbit Set	Hexbug	Unknown	No	No
HEXBUG Nano, 5-Pack	Hexbug	Unknown	No	No
HEXBUG Newton Series Holiday Nano Reindeer Pull Santa's Sleigh (Brown)	Hexbug	Unknown	No	No
HEXBUG Transformers Nano Play Toy	Hexbug	Unknown	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
HEXBUG® Nano Zipline Set	Hexbug	Unknown	No	No
HEXBUG® V2 Nano Tower Infinity Loop Set	Hexbug	Unknown	No	No
Nano Plush Toys	U-Right® International Holdings Ltd	Unknown	No	No
Red5 Remote Control Flying UFO	Red5	Unknown	No	No
Silverlit Toys Nano Falcon Remote Control Helicopter - Gold and Black	Silverlit	Unknown	No	No
Silverlit Toys Nano Falcon XS Remote Control Helicopter - Orange	Silverlit	Unknown	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Silverlit Toys Nano Spy Cam Helicopter - 2.4 GHz White and Gold	Silverlit	Unknown	No	No
HEXBUG Nano V2 Gravity Loop Set	Hexbug	Unknown	No	No
HEXBUG Glow in The Dark Nano	Hexbug	Unknown	Yes	Yes
Hexbug Nano Cat Toy	Hexbug	Unknown	Yes	Yes
Hexbug Nano Christmas Ornament, Random Color	Hexbug	Unknown	Yes	Yes
Hexbug Nano Curved Bridges	Hexbug	Unknown	Yes	Yes
Hexbug Nano Easter Egg, Random Color	Hexbug	Unknown	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Hexbug Nano Mutant Zombie	Hexbug	Unknown	Yes	Yes
Hexbug Nano Nitro 5 Pack Set	Hexbug	Unknown	Yes	Yes
Hexbug Nano Nitro Habitat Set	Hexbug	Unknown	Yes	Yes
Hexbug Nano Nitro Slingshot	Hexbug	Unknown	Yes	Yes
HEXBUG Nano Space Galactic Base	Hexbug	Unknown	Yes	Yes
HEXBUG Nano Space Line Zip	Hexbug	Unknown	Yes	Yes
HEXBUG Nano V2 Single Pack	Hexbug	Unknown	Yes	Yes
HEXBUG Nano V2 Sky Max Set	Hexbug	Unknown	Yes	Yes
Hexbug Nano, Random Color	Hexbug	Unknown	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
HEXBUG Neon Nano V2 + 1 Glow in the Dark Bugs	Hexbug	Unknown	Yes	Yes
Nano V2 High Five	Hexbug	Unknown	Yes	Yes
One Hexbug Nano Glow-in-the-Dark Micro-Robotic Creature	Hexbug	Unknown	Yes	Yes
Ravensburger Bugs In The Kitchen Game	Ravensburger	Unknown	Yes	Yes
Cosmetics				
3LAB Ginseng The Eye Cream	3LAB	Unknown	No	No
3LAB Perfect Body Cream	3LAB	Unknown	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
3LAB Perfect Hand Cream	3LAB	Unknown	No	No
3LAB Perfect Lips	3LAB	Unknown	No	No
3LAB Perfect Repair	3LAB	Unknown	No	No
Akcja NANO aktywna pena 250ml	Nanoshop	Unknown	No	No
All Day Suncare SPF 30	Kara Vita	Unknown	No	No
ASTALIFT Lunamer UV Protector SPF40	Fujifilm	Unknown	No	No
ASTALIFT SPF 35 DAY PROTECTOR LOTION	Fujifilm	Unknown	No	No
Awake Nano Lotion White	Awake Cosmetics	Unknown	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
BIONOVA Cosmetics	Barneys New York	Unknown	No	No
Bionova Facial Anti-Stress Care	Bionova	Unknown	No	No
Calming Emulsion	Chanel	Unknown	No	No
Christian Dior DiorSkin Extreme Fit Extreme Wear Flawless Makeup SPF15 - # 011 (Vanilla)	Dior	Unknown	No	No
DIOR DIORSHOW NEW LOOK Multi- Dimensional Volume & Treatment Mascara 10ml	Dior	Unknown	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Dior Transatlantique Gloss	Dior	Unknown	No	No
DIORSHOW NEW LOOK MASCARA LASH-MULTIPLYING EFFECT VOLUME & CARE 264 NEW LOOK BLUE	Dior	Unknown	No	No
DIORSHOW NEW LOOK MASCARA LASH-MULTIPLYING EFFECT VOLUME & CARE 694 NEW LOOK BROWN	Dior	Unknown	No	No
DIORSHOW NEW LOOK MASCARA	Dior	Unknown	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
LASH-MULTIPLYING EFFECT VOLUME AND CARE 090 NEW LOOK BLACK				
Dior skin Forever - Extreme Wear Flawless Makeup FPS 25	Dior	Unknown	No	No
Divaderme Diva FX II	Divaderme	Unknown	No	No
Essie love sheen Nail Polish	Essie	Unknown	No	No
Essie no shrinking violet Nail Polish	Essie	Unknown	No	No
Eucerin Sun Protection, Sun Creme LSF 30	Beiersdorf AG	none reported	no	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Eye Contour Nanolift	Euoko	Unknown	No	No
Fiji Nano Fresh-Dark Dha Free Brz	Fiji Blend	Unknown	No	No
Floractive W Two Flex Progressive Hair Straightening Nano Technology	Floractive	Unknown	No	No
FUJIFILM ASTALIFT AC Skin Conditioner	Fujifilm	Unknown	No	No
FUJIFILM ASTALIFT Emulsion	Fujifilm	Unknown	No	No
FUJIFILM ASTALIFT Essence Destiny	Fujifilm	Unknown	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
FUJIFILM ASTALIFT Jelly Aquarysta	Fujifilm	Unknown	No	No
FUJIFILM ASTALIFT Lunamer AC Gel Cream	Fujifilm	Unknown	No	No
FUJIFILM ASTALIFT Lunamer Brightener	Fujifilm	Unknown	No	No
FUJIFILM ASTALIFT Lunamer Clear Cleansing Oil	Fujifilm	Unknown	No	No
FUJIFILM ASTALIFT Lunamer Clear Wash	Fujifilm	Unknown	No	No
FUJIFILM ASTALIFT Lunamer Cream	Fujifilm	Unknown	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
FUJIFILM ASTALIFT Lunamer Emulsio	Fujifilm	Unknown	No	No
FUJIFILM ASTALIFT Lunamer Lotion	Fujifilm	Unknown	No	No
FUJIFILM ASTALIFT Whitening Cream	Fujifilm	Unknown	No	No
FUJIFILM ASTALIFT Whitening Lotion	Fujifilm	Unknown	No	No
Glycol-X Treatment Cream	Kara Vita	Unknown	No	No
Glycol-X Treatment Lotion	Kara Vita	Unknown	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Hair Streigh Blowout Protein Amazon Premium Mask P1	Naelly	Unknown	No	No
Hair Streigh Blowout Protein Amazon Premium Mask P2	Naelly	Unknown	No	No
Hair Streigh Blowout Protein Amazon Premium Shampoo	Naelly	Unknown	No	No
iBeauty Nano Handy Mist Spray Atomization Humectant Facial Gold	iBeauty	Unknown	No	No
IS Clinical SPF 20 Moisturizing	Innovative Skincare	Unknown	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Treatment Sunscreen				
ISIS PHARMA NANO AGE	ISIS PHARMA	Unknown	No	No
ISIS PHARMA NANO C PREMIUM	ISIS PHARMA	Unknown	No	No
ISIS PHARMA NANO WHITE	ISIS PHARMA	Unknown	No	No
Japanese Vitamin C cosmetic lotion Serevu~ina Ocean nano moist gel 60g	Serevu~ina (CELEVENUS)	Unknown	No	No
Komenuka Bijin NSK A-10 Cream	UNICO Entreprise	Unknown	No	No
Komenuka Bijin NSK C-10 Essence	UNICO Entreprise	Unknown	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
KOSE by KOSE - Rutina Nano-Force Nourishing Milk	KOSA	Unknown	No	No
Lashfood BROWFOOD Tinted Brow Enhancing Gelfix	Lashfood	Unknown	No	No
LASHFOOD Conditioning Chamomile Eye Makeup Remover	Lashfood	Unknown	No	No
LASHFOOD Conditioning Drama Mascara	Lashfood	Unknown	No	No
LASHFOOD Conditioning Liquid Eyeliner	Lashfood	Unknown	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
LASHFOOD Natural eyebrow conditioner	Lashfood	Unknown	No	No
Lior Gold Paris Nano Eye Cream	Lior Gold Paris	Unknown	No	No
Lior Gold Paris Nano Neck Cream	Lior Gold Paris	Unknown	No	No
Lyphazome and Celazome Cosmetics and Sunscreens	Dermazone Solutions	Unknown	No	No
Minetan Nanomist Tan Compact	MineTan	Unknown	No	No
Multi-Dimensional 10 x Bronzing Lotion	Fiji Blend	Unknown	No	No
Nails inc Chelsea	Nails Inc	Unknown	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Embankment Mews NailBright NailKale				
Nails inc Crown Place All Fired Up Gel Effect	Nails Inc	Unknown	No	No
Nails inc Knightsbridge Mews NailBright NailKale	Nails Inc	Unknown	No	No
Nails inc Nobel Street All Fired Up Gel	Nails Inc	Unknown	No	No
Nails inc Portland Square All Fired Up Gel Effect	Nails Inc	Unknown	No	No
Nails inc Victoria NailKale	Nails Inc	Unknown	No	No
Nano X - Multiplex Bronzing Lotion	Fiji Blend	Unknown	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
no Dark 30x Bronzer Tanning Lotion	Fiji Blend	Unknown	No	No
PROXIPHEN-N (PROX-N) & NANO SHAMPOO	PROX-N	Unknown	No	No
RenLee Nano Vitamin C Powder	RenLee	Unknown	No	No
RenLee Nano-Technology Collagen Serum	RenLee	Unknown	No	No
RevitaLift Double Lifting	L'Oreal	Unknown	No	No
Sanders Perry Nano Ion Cluster Green	Sanders Perry	Unknown	No	No
StriVectin-NE NanoExfoliant For The Hands	StriVectin	Unknown	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Styli-Style 24-Hr Power Nano Liner 24-Eyes-Black	Styli-Style	Unknown	No	No
Styli-Style 24-Hr Power Nano Liner 24-Eyes-Black Brown	Styli-Style	Unknown	No	No
Styli-Style 24-Hr Power Nano Liner 24-Eyes-Carbon Black	Styli-Style	Unknown	No	No
Styli-Style Nano Liner 24 for Eyes 854 Grey	Styli-Style	Unknown	No	No
SUPER AQUA Cosmetics	Enprani	Unknown	No	No
Up Tight Firming Peptide Complex	Kara Vita	Unknown	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Up Tight Firming Peptide Creme	Kara Vita	Unknown	No	No
W One Nano Protein Formaldehyde	Floractive	Unknown	No	No
Absolute New York Liquid Liner (NANO)	Absolute New York	Unknown	No	Yes
Brazilian Professional Liss Nanotech Keratin Treatment	Fit Cosmetics	Unknown	No	Yes
DNA Skin Optimizer SPF 20 Fluid	JUVENA International AG	Unknown	No	Yes
Essie point of blue Nail Polish	Essie	Unknown	No	Yes
Fiji Blend Nano Fresh DHA-Free Bronzing	Fiji Blend	Unknown	No	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Complex Tanning Lotion				
Floractive W. One Nano Protein Progressive Hair Straightening	Floractive	Unknown	No	Yes
FUJIFILM ASTALIFT Night Cream	Fujifilm	Unknown	No	Yes
FUJIFILM ASTALIFT NUTURING EYE CREAM	Fujifilm	Unknown	No	Yes
FUJIFILM ASTALIFT Whitening Essence Infil	Fujifilm	Unknown	No	Yes
ISIS PHARMA NANO PURE	ISIS PHARMA	Unknown	No	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
JJ Nano Mister	JJEyelashes	Unknown	No	Yes
LASHFOOD BrowFood 24H Tri-Feather Brow Pen Dark Blonde	Lashfood	Unknown	No	Yes
LASHFOOD BrowFood 24H Tri-Feather Brow Pen Dark Brunette	Lashfood	Unknown	No	Yes
LASHFOOD BROWFOOD Brow Enhancing Gelfix	Lashfood	Unknown	No	Yes
LASHFOOD BrowFood Ultra Fine Pencil Duo	Lashfood	Unknown	No	Yes
LASHFOOD Conditioning Collagen Primer	Lashfood	Unknown	No	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
LASHFOOD Conditioning Lash Primer	Lashfood	Unknown	No	Yes
Nails inc Montpelier Walk NailKale	Nails Inc	Unknown	No	Yes
Nanoblur™ colour corrector – green	Indeed Labs	Unknown	No	Yes
Nanoblur™ colour corrector – purple	Indeed Labs	Unknown	No	Yes
Nanoblur™ colour corrector – yellow	Indeed Labs	Unknown	No	Yes
Nanolash Eyebrow Serum 5 ml	Nanobrow	Unknown	No	Yes
Nanolash Eyelash Conditioner	Nanolash	Unknown	No	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Nanolash Eyelash Serum 3 ml	Nanolash	Unknown	No	Yes
Professional Brazilian Treat Clean Nanofix Clinical Balance Shampoo	Zap Cosmetics	Unknown	No	Yes
Restructuring Ampoule Tutto In One Power Dose	Salvatore	Unknown	No	Yes
Sephora Collection Nano Eyeliner	Sephora	Unknown	No	Yes
Sephora Collection Nano Eyeliner 24 Chlorophyll	Sephora	Unknown	No	Yes
Sephora Nano Lip Liner	Sephora	Unknown	No	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Shiseido The Makeup Dual Balancing Foundation	Shiseido	Unknown	No	Yes
Shiseido 'The Makeup' Dual Balancing Foundation SPF 17	Shiseido	Unknown	No	Yes
DHC Pore Lotion	DHC Skincare	Unknown	No	
3LAB ginseng serum	3LAB	Unknown	Yes	Yes
3LAB M Cream	3LAB	Unknown	Yes	Yes
3LAB Perfect BB Cream – Shade 3	3LAB	Unknown	Yes	Yes
3LAB Perfect Beautifying Toner	3LAB	Unknown	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
3LAB Perfect Cleansing Gel	3LAB	Unknown	Yes	Yes
3LAB Perfect Cleansing Scrub	3LAB	Unknown	Yes	Yes
3LAB Super Cream	3LAB	Unknown	Yes	Yes
3LAB Super Eye Treatment	3LAB	Unknown	Yes	Yes
3LAB Super Face	3LAB	Unknown	Yes	Yes
3LAB Super H Serum (Spray)	3LAB	Unknown	Yes	Yes
3LAB The Perfect Cream	3LAB	Unknown	Yes	Yes
Annemarie Börlind SYSTEM ABSOLUTE anti-aging eye cream	Annemarie Börlind	Unknown	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Annemarie Börlind SYSTEM ABSOLUTE System Anti-Aging Cleansing Lotion	Annemarie Börlind	Unknown	Yes	Yes
Annemarie Börlind SYSTEM ABSOLUTE System Anti-Aging Day Cream	Annemarie Börlind	Unknown	Yes	Yes
Annemarie Börlind SYSTEM ABSOLUTE System Anti-Aging Day Cream light	Annemarie Börlind	Unknown	Yes	Yes
Annemarie Börlind SYSTEM	Annemarie Börlind	Unknown	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
ABSOLUTE System Anti-Aging Night Cream				
Annemarie Börlind SYSTEM ABSOLUTE System Anti-Aging Night Cream light	Annemarie Börlind	Unknown	Yes	Yes
Annemarie Börlind SYSTEM ABSOLUTE: System Anti-Aging Beauty Fluid	Annemarie Börlind	Unknown	Yes	Yes
Bain de Terre Recovery Complex Anti-Frizz Serum	Zotos International Inc.	Unknown	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Charlotte Tilbury - Flawless Finish Skin Kit	Charlotte Tilbury	Unknown	Yes	Yes
Coco Mademoiselle Fresh Moisture Mist	Chanel	Unknown	Yes	Yes
Crème Symphonique Day-Time	Beauté pacifique	Unknown	Yes	Yes
Crème Symphonique Day-Time, Dry Skin	Beauté pacifique	Unknown	Yes	Yes
Crème Symphonique Night-Time	Beauté pacifique	Unknown	Yes	Yes
Dior Addict Gloss	Dior	Unknown	Yes	Yes
DIOR DIORSKIN FOREVER	Dior	Unknown	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Pressed Powder Refill				
Dior skin Forever compact	Dior	Unknown	Yes	Yes
Essie art new beau Nail Polish	Essie	Unknown	Yes	Yes
Essie blush stroke Nail Polish	Essie	Unknown	Yes	Yes
Essie groove is in the heart Nail Polish	Essie	Unknown	Yes	Yes
Essie highest bidder Nail Polish	Essie	Unknown	Yes	Yes
Essie make some noise Nail Polish	Essie	Unknown	Yes	Yes
Essie melody maker Nail Polish	Essie	Unknown	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Essie muse, myself Nail Polish	Essie	Unknown	Yes	Yes
Essie pen & inky Nail Polish	Essie	Unknown	Yes	Yes
Essie white page Nail Polish	Essie	Unknown	Yes	Yes
Facial Steamer Nano Ultrasonic Humidifier Moisturize Red	Hereta	Unknown	Yes	Yes
FUJIFILM ASTALIFT Cream	Fujifilm	Unknown	Yes	Yes
Handy Nano Mist Spray	Solomi	Unknown	Yes	Yes
HYDRA ZEN CREAM	Lancome	Unknown	Yes	Yes
Kinetics Nano Rhino Nail Treatment	Kinetics	Unknown	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Kinetics Nano Seal Nail Treatment	Kinetics	Unknown	Yes	Yes
Kinetics Nano Shark Nail Treatment	Kinetics	Unknown	Yes	Yes
Koch Chemistry Nano Magic Shampoo 750 ml	Koch Chemie	Unknown	Yes	Yes
Lancome Hydra Zen Soothing Ant-Stress Day Cream SPF15	Lancome	Unknown	Yes	Yes
L'ANZA Healing Volume Root Effects	l'anza	Unknown	Yes	Yes
L'ANZA KERATIN HEALING OIL CONDITIONER	l'anza	Unknown	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
L'ANZA KERATIN HEALING OIL SHAMPOO	l'anza	Unknown	Yes	Yes
Nails inc Belgravia Road '6 free' Nailpure Nail polish	Nails Inc	Unknown	Yes	Yes
Nails inc Bruton Mews NailKale	Nails Inc	Unknown	Yes	Yes
Nails inc Hampstead Grove NailKale	Nails Inc	Unknown	Yes	Yes
Nails inc Hyde Park Court Gel Effect	Nails Inc	Unknown	Yes	Yes
Nails inc Marylebone High Street NailKale	Nails Inc	Unknown	Yes	Yes
Nails inc Mayfair Lane Gel Effect	Nails Inc	Unknown	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Nails Inc Nailpure Nail Polish in Bond Street Passage	Nails Inc	Unknown	Yes	Yes
Nails inc Palace Gardens NailKale	Nails Inc	Unknown	Yes	Yes
Nails inc Palace Gardens NailKale Nail polish	Nails Inc	Unknown	Yes	Yes
Nails inc Porchester Square Gel Effect	Nails Inc	Unknown	Yes	Yes
Nails inc Spencer Street fuelled by Charcoal Nail polish	Nails Inc	Unknown	Yes	Yes
Nails inc St John's Wood	Nails Inc	Unknown	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Gardens NailKale				
Nanoblur™	Indeed Labs	Unknown	Yes	Yes
NIOD PHOTOGRAPHY FLUID, OPACITY 12%	NIOD	Unknown	Yes	Yes
Platinum Blond Macadâmia Tahiti Grape Seed Hair Botox Mask	Fit Cosmetics	Unknown	Yes	Yes
Serge Lutens Blusher	Barneys New York	Unknown	Yes	Yes
Shahnaz Husain Nano Sun Block SPF 25	Shahnaz Husain	Unknown	Yes	Yes
Shahnaz Husain Nano Sun Block SPF 40	Shahnaz Husain	Unknown	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Shahnaz Husain Nano Sun Block SPF 60	Shahnaz Husain	Unknown	Yes	Yes
Softness Nourish Ztox Bt-o.x Nanocrystallization Macadamia Mask	Zap Cosmetics	Unknown	Yes	Yes
STILA HUGE EXTREME LASH MASCARA	Stila	Unknown	Yes	Yes
TARTE TARTEIST DOUBLE TAKE EYELINER	TARTE	Unknown	Yes	Yes
Thann Oil Free SPF30 Facial Sunscreen	Inspired CL	Unknown	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
The Instant Restore Total Repair Mask	Zap Cosmetics	Unknown	Yes	Yes
Tigi Tweens Re-Energize Bed Head	Tigi	Unknown	Yes	Yes
Tigi Tweens Resurrection Bed Head	Tigi	Unknown	Yes	Yes
Wise Nano Collagen SPF50 Sunscreen	Pattama Sellier	Unknown	Yes	Yes
WW Eye Creme	3LAB	Unknown	Yes	Yes
Zap Blond Care Mask	Zap Cosmetics	Unknown	Yes	Yes
Zap Blond Care Shampoo	Zap Cosmetics	Unknown	Yes	Yes
Zap Pro Life Nanofix Deep	Zap Cosmetics	Unknown	Yes	Yes

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
Cleansing Shampoo				
Zap Pro Life Nanofix Hair Treatment	Zap Cosmetics	Unknown	Yes	Yes
Zap Professional Restore Total Repair Shampoo	Zap Cosmetics	Unknown	Yes	Yes
Charlotte Tilbury - 'Air Brush Flawless Finish' Skin Perfecting Micro-Powder	Charlotte Tilbury	Unknown	Yes	Yes
Personal Protective Equipment				
BRIGHT BLUE MASK WITH HALOMASK NANOFILTER™ TECHNOLOGY	Halo Life	Unknown	No	No

Product category/ name	Manufacturer	Nanomaterial used	Readily available to UK consumers, i.e., available in UK retailers (according to criteria noted in the main report)	Available to UK consumers, i.e., available in non-UK retailers (according to criteria noted in the main report)
DARK NAVY MASK WITH HALOMASK NANOFILTER™ TECHNOLOGY	Halo Life	Unknown	No	No
Halo Life Face Mask - BLACK MESH SPORT MASK WITH HALO NANOFILTER™ TECHNOLOGY	Halo Life	Unknown	No	No
HALOMASK UNITY EDITION BLACK MASK WITH NANOFILTER™ TECHNOLOGY	Halo Life	Unknown	No	No
HALOMASK UNITY EDITION BLUE MASK WITH NANOFILTER™ TECHNOLOGY	Halo Life	Unknown	No	No

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MINT GREEN MASK WITH HALOMASK NANOFILTER™ TECHNOLOGY	Halo Life	Unknown	No	No
Nomex® Nano Flex	Dupont	Unknown	No	No
PINK MASK WITH HALOMASK NANOFILTER™ TECHNOLOGY	Halo Life	Unknown	No	No
WHITE MESH MASK WITH GRAY TRIM AND HALO NANOFILTER™ TECHNOLOGY	Halo Life	Unknown	No	No
WHITE MESH MASK WITH HALO NANOFILTER™ TECHNOLOGY	Halo Life	Unknown	No	No

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Halo Life Face Mask - BLACK MESH MASK WITH GRAY TRIM WITH HALO NANOFILTER™ TECHNOLOGY	Halo Life	Unknown	Yes	Yes
Nano-Tech Face Mask CMK-3	Stormtech	Unknown	Yes	Yes
SILVADUR Antibacterial Smart Fabric Face Mask	Sanitiser Solutions Australia	Unknown	Yes	Yes
Textiles				
Blankets and Throws	Nano Pet Products LLC	Unknown	No	No
Cafémarkise Café 500	Gundsø Markiser A/S	Unknown	No	No

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Eco friendly Nano fir handmade health pillow	CINN NANO TECHNOLOGY CO., LTD.	Unknown	No	No
Health care nano Vitality Pillow	UCIMK Internaitonal Co., Ltd.	Unknown	No	No
HealthSmart™ Bed	Simmons® Bedding Co	Unknown	No	No
Inflatable travel neck pillow	Hangzhou Gaga Home Textiles Co., Ltd.	Unknown	No	No
Nano Blanket Pillow 2in1	Shanghai Youjing Import & Export Co., Ltd.	Unknown	No	No
Nano Cool Pillow	Hangzhou Deep Sleep Textile Co., LTD.	Unknown	No	No
Nano Far Infrared Health Pillow	CINN NANO TECHNOLOGY CO., LTD.	Unknown	No	No

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Nano Far Infrared Pillow	CINN NANO TECHNOLOGY CO., LTD.	Unknown	No	No
Nano Fiber Memory Foam Pillow	Shenzhen Kingdom-Pillow Co., Ltd.	Unknown	No	No
Nano Fragrance Pillow	Hangzhou Deep Sleep Textile Co., LTD.	Unknown	No	No
Nano-Aire Pillow	Vital Age	Unknown	No	No
nanodeck® Textiles & leather	nanodeck	Unknown	No	No
Nanodream Pillow Liners	Nanodream	Unknown	No	No
Nano-Flow Pillow	Vital Age	Unknown	No	No
Nano-healthcore Pillow	S.H. Medical Co., Ltd.	Unknown	No	No

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Nano-Pel™ Mattress	Burlington House Mattress Fabrics	Unknown	No	No
Neck Pillow 1	Tianjin Zhongjianguokang Nano-Tech Inc., LTD	Unknown	No	No
Neck Pillow 2	Guangzhou Texpack Commodity Manufacturing Ltd.	Unknown	No	No
Outdoor Relax-Möbel deluxe (outdoor chairs)	Proidee	Unknown	No	No
Relief-Decke (Blanket)	Proidee	Unknown	No	No
Rumpl NanoLoft Puffy Blanket - Prism Geo	Rumpl	Unknown	No	No
Rumpl NanoLoft Puffy Blanket - R100	Rumpl	Unknown	No	No
Rumpl NanoLoft Puffy Blanket -	Rumpl	Unknown	No	No

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Sacred Geometry				
Rumpl NanoLoft Puffy Blanket - Whiteout Wash	Rumpl	Unknown	No	No
Rumpl NanoLoft Puffy Blanket - Winther Horizon	Rumpl	Unknown	No	No
Serta iComfort Premium Head and Body Support - Gray	Serta	Unknown	No	No
Serta iComfort Premium Head Support - Gray	Serta	Unknown	No	No
Super Stain-Resistant Gripper™ Cushions	Improvements®	Unknown	No	No
Terrassemarkise Stil 100	Gundsø Markiser A/S	Unknown	No	No

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Terrassemarkise Stil 200	Gundsø Markiser A/S	Unknown	No	No
Terrassemarkise Stil 300		Unknown	No	No
Terrassemarkise Stil 400	Gundsø Markiser A/S	Unknown	No	No
Terrassemarkise Stil 500	Gundsø Markiser A/S	Unknown	No	No
Terrassemarkise Stil 500 Mini	Gundsø Markiser A/S	Unknown	No	No
Terrassemarkise Stil 700	Gundsø Markiser A/S	Unknown	No	No
Terrassemarkise Stil 800		Unknown	No	No
Terrassemarkise Stil 900		Unknown	No	No
Terrassemarkise Stil 900 med nedfald	Gundsø Markiser A/S	Unknown	No	No

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Terrassemarkise Stil 900 Mini	Gundsø Markiser A/S	Unknown	No	No
Travel Pillow	Yiwu United Crafts Co., LTD.	Unknown	No	No
U-shaped pillow	Shuyang Jiushang Home Co., Ltd.	Unknown	No	No
Wholesale Light Nano Fiber Pillow	Guangzhou Texpack Commodity Manufacturing Ltd.	Unknown	No	No
Power Ionics Far Infrared Rays Health Deep Sleep Eye Mask	Power Ionics	Unknown	No	Yes
Aspen Parka Dog Jacket	Dog Gone Smart	Unknown	Yes	Yes
Brinkhaus The Chalet Duvet Medium 8.5 Tog	Brinkhouse	Unknown	Yes	Yes
Crate Pads	Nano Pet Products LLC	Unknown	Yes	Yes

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Dog Gone Smart (dog bed)	Nano Pet Products LLC	Unknown	Yes	Yes
Rumpl NanoLoft Puffy Blanket - Cosmic Soul	Rumpl	Unknown	Yes	Yes
Rumpl NanoLoft Puffy Blanket - Fire Fade	Rumpl	Unknown	Yes	Yes
Rumpl NanoLoft Puffy Blanket - Realtree Camo	Rumpl	Unknown	Yes	Yes
Rumpl NanoLoft Puffy Blanket - Ripple Fade	Rumpl	Unknown	Yes	Yes
Satechi Desk Mat v2.0	Satechi	Unknown	Yes	Yes

n/a no Information available.

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