

**As zinc sulphide is not classified, exposure scenarios are not mandatory. We have listed the identified uses only.**

**Uses by workers in industrial settings**

<b>IU number</b>	<b>Identified Use (IU) name</b>	<b>Substance supplied to that use</b>	<b>Use descriptors</b>
1	Zinc sulphide production-Wet	as such (substance itself)	<p><b>Process category (PROC):</b></p> <p>PROC 2: Use in closed, continuous process with occasional controlled exposure            PROC 3: Use in closed batch process (synthesis or formulation)            PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities            PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)            PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting            PROC 26: Handling of solid inorganic substances at ambient temperature</p> <p><b>Market sector by type of chemical product:</b></p> <p>PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents</p> <p><b>Environmental release category (ERC):</b></p> <p>ERC 1: Manufacture of substances</p> <p><b>Sector of end use (SU):</b></p> <p>SU 8: Manufacture of bulk, large scale chemicals (including petroleum products)            SU 9: Manufacture of fine chemicals</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p>
5	Component for production of inorganic zinc compounds	as such (substance itself)  in a mixture	<p><b>Process category (PROC):</b></p> <p>PROC 2: Use in closed, continuous process with occasional controlled exposure            PROC 3: Use in closed batch process (synthesis or formulation)            PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities            PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)            PROC 15: Use as laboratory reagent</p>

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			<p>PROC 21: Low energy manipulation of substances bound in materials and/or articles            PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting</p> <p><b>Market sector by type of chemical product:</b></p> <p>PC 19: Intermediate            PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents            PC 21: Laboratory chemicals</p> <p><b>Environmental release category (ERC):</b></p> <p>ERC 1: Manufacture of substances            ERC 2: Formulation of preparations            ERC 6a: Industrial use resulting in manufacture of another substance (use of intermediates)</p> <p><b>Sector of end use (SU):</b></p> <p>SU 8: Manufacture of bulk, large scale chemicals (including petroleum products)            SU 9: Manufacture of fine chemicals            SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p>
6	Laboratory reagent	as such (substance itself)	<p><b>Process category (PROC):</b></p> <p>PROC 1: Use in closed process, no likelihood of exposure            PROC 2: Use in closed, continuous process with occasional controlled exposure            PROC 3: Use in closed batch process (synthesis or formulation)            PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises            PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)            PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities            PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)            PROC 15: Use as laboratory reagent</p> <p><b>Market sector by type of chemical product:</b></p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>PC 19: Intermediate  PC 21: Laboratory chemicals  PC 28: Perfumes, fragrances  PC 39: Cosmetics, personal care products</p> <p><b>Environmental release category (ERC):</b>  ERC 1: Manufacture of substances  ERC 2: Formulation of preparations  ERC 4: Industrial use of processing aids in processes and products, not becoming part of articles  ERC 6a: Industrial use resulting in manufacture of another substance (use of intermediates)  ERC 6b: Industrial use of reactive processing aids</p> <p><b>Sector of end use (SU):</b>  SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)  SU 24: Scientific research and development</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p>
7	Component for production of organic zinc compounds	as such (substance itself)  in a mixture	<p><b>Process category (PROC):</b>  PROC 1: Use in closed process, no likelihood of exposure  PROC 2: Use in closed, continuous process with occasional controlled exposure  PROC 3: Use in closed batch process (synthesis or formulation)  PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises  PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities  PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)  PROC 15: Use as laboratory reagent</p> <p><b>Market sector by type of chemical product:</b>  PC 19: Intermediate  PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents  PC 21: Laboratory chemicals</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>PC 24: Lubricants, greases, release products  PC 29: Pharmaceuticals  PC 39: Cosmetics, personal care products</p> <p><b>Environmental release category (ERC):</b>  ERC 1: Manufacture of substances  ERC 2: Formulation of preparations  ERC 6a: Industrial use resulting in manufacture of another substance (use of intermediates)</p> <p><b>Sector of end use (SU):</b>  SU 9: Manufacture of fine chemicals  SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)  SU 8: Manufacture of bulk, large scale chemicals (including petroleum products)</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p>
8	Component for production of Inorganic pigments	as such (substance itself)  in a mixture	<p><b>Process category (PROC):</b>  PROC 1: Use in closed process, no likelihood of exposure  PROC 2: Use in closed, continuous process with occasional controlled exposure  PROC 3: Use in closed batch process (synthesis or formulation)  PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises  PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)  PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities  PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)  PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting</p> <p><b>Market sector by type of chemical product:</b>  PC 9a: Coatings and paints, thinners, paint removes  PC 9b: Fillers, putties, plasters, modelling clay  PC 9c: Finger paints</p>

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			<p>PC 0: Other: UCN F05990: Other colouring agents</p> <p><b>Environmental release category (ERC):</b></p> <p>ERC 1: Manufacture of substances  ERC 2: Formulation of preparations  ERC 5: Industrial use resulting in inclusion into or onto a matrix</p> <p><b>Sector of end use (SU):</b></p> <p>SU 8: Manufacture of bulk, large scale chemicals (including petroleum products)  SU 9: Manufacture of fine chemicals  SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)  SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement  SU 0: Other: Nace C20.1.2: Manufacture of dyes and pigments</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p>
9	Component for production of Coatings / paints, inks, enamels, varnishes	as such (substance itself)  in a mixture	<p><b>Process category (PROC):</b></p> <p>PROC 1: Use in closed process, no likelihood of exposure  PROC 2: Use in closed, continuous process with occasional controlled exposure  PROC 3: Use in closed batch process (synthesis or formulation)  PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises  PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)  PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities  PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)</p> <p><b>Market sector by type of chemical product:</b></p> <p>PC 1: Adhesives, sealants  PC 9a: Coatings and paints, thinners, paint removes  PC 9b: Fillers, putties, plasters, modelling clay  PC 9c: Finger paints  PC 14: Metal surface treatment products, including galvanic and electroplating products  PC 15: Non-metal-surface treatment products</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>PC 18: Ink and toners  PC 19: Intermediate  PC 26: Paper and board dye, finishing and impregnation products: including bleaches and other processing aids  PC 32: Polymer preparations and compounds</p> <p><b>Environmental release category (ERC):</b></p> <p>ERC 1: Manufacture of substances  ERC 2: Formulation of preparations  ERC 3: Formulation in materials  ERC 4: Industrial use of processing aids in processes and products, not becoming part of articles  ERC 5: Industrial use resulting in inclusion into or onto a matrix  ERC 7: Industrial use of substances in closed systems</p> <p><b>Sector of end use (SU):</b></p> <p>SU 4: Manufacture of food products  SU 5: Manufacture of textiles, leather, fur  SU 6a: Manufacture of wood and wood products  SU 6b: Manufacture of pulp, paper and paper products  SU 8: Manufacture of bulk, large scale chemicals (including petroleum products)  SU 9: Manufacture of fine chemicals  SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)  SU 11: Manufacture of rubber products  SU 12: Manufacture of plastics products, including compounding and conversion  SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement  SU 14: Manufacture of basic metals, including alloys</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p>
10	Use of ZnS-containing paints & coatings	in a mixture	<p><b>Process category (PROC):</b></p> <p>PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises  PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)  PROC 7: Industrial spraying  PROC 8b: Transfer of substance or preparation (charging/discharging) from/to</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>vessels/large containers at dedicated facilities  PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)  PROC 10: Roller application or brushing  PROC 11: Non industrial spraying  PROC 13: Treatment of articles by dipping and pouring  PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p><b>Market sector by type of chemical product:</b></p> <p>PC 1: Adhesives, sealants  PC 9a: Coatings and paints, thinners, paint removes  PC 9b: Fillers, putties, plasters, modelling clay  PC 9c: Finger paints  PC 14: Metal surface treatment products, including galvanic and electroplating products  PC 15: Non-metal-surface treatment products  PC 18: Ink and toners</p> <p><b>Environmental release category (ERC):</b></p> <p>ERC 4: Industrial use of processing aids in processes and products, not becoming part of articles  ERC 5: Industrial use resulting in inclusion into or onto a matrix</p> <p><b>Sector of end use (SU):</b></p> <p>SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b></p> <p>AC 0: Other: coatings for art and creative items</p>
12	Component for Paper coating	as such (substance itself)  in a mixture	<p><b>Process category (PROC):</b></p> <p>PROC 3: Use in closed batch process (synthesis or formulation)  PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises  PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>PROC 6: Calendering operations            PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities            PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)            PROC 13: Treatment of articles by dipping and pouring</p> <p><b>Market sector by type of chemical product:</b>            PC 9a: Coatings and paints, thinners, paint removes            PC 15: Non-metal-surface treatment products            PC 18: Ink and toners            PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents            PC 21: Laboratory chemicals            PC 35: Washing and cleaning products (including solvent based products)            PC 26: Paper and board dye, finishing and impregnation products: including bleaches and other processing aids</p> <p><b>Environmental release category (ERC):</b>            ERC 2: Formulation of preparations            ERC 6b: Industrial use of reactive processing aids</p> <p><b>Sector of end use (SU):</b>            SU 6b: Manufacture of pulp, paper and paper products            SU 7: Printing and reproduction of recorded media            SU 8: Manufacture of bulk, large scale chemicals (including petroleum products)            SU 9: Manufacture of fine chemicals            SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p>
13	Downstream use of ZnS containing paper coating products	as such (substance itself)  in a mixture	<p><b>Process category (PROC):</b>            PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises            PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)            PROC 6: Calendering operations</p>



IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities            PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)            PROC 10: Roller application or brushing            PROC 13: Treatment of articles by dipping and pouring            PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p><b>Market sector by type of chemical product:</b>            PC 9a: Coatings and paints, thinners, paint removes            PC 15: Non-metal-surface treatment products            PC 18: Ink and toners            PC 26: Paper and board dye, finishing and impregnation products: including bleaches and other processing aids</p> <p><b>Environmental release category (ERC):</b>            ERC 4: Industrial use of processing aids in processes and products, not becoming part of articles            ERC 5: Industrial use resulting in inclusion into or onto a matrix</p> <p><b>Sector of end use (SU):</b>            SU 6b: Manufacture of pulp, paper and paper products            SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b>            AC 8: Paper articles</p>
14	Component for Textile & leather coating / treatment	as such (substance itself)  in a mixture	<p><b>Process category (PROC):</b>            PROC 3: Use in closed batch process (synthesis or formulation)            PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises            PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)            PROC 6: Calendering operations</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities            PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)            PROC 13: Treatment of articles by dipping and pouring</p> <p><b>Market sector by type of chemical product:</b></p> <p>PC 9a: Coatings and paints, thinners, paint removes            PC 15: Non-metal-surface treatment products            PC 19: Intermediate            PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents            PC 21: Laboratory chemicals            PC 23: Leather tanning, dye, finishing, impregnation and care products            PC 34: Textile dyes, finishing and impregnating products; including bleaches and other processing aids            PC 35: Washing and cleaning products (including solvent based products)</p> <p><b>Environmental release category (ERC):</b></p> <p>ERC 2: Formulation of preparations            ERC 6b: Industrial use of reactive processing aids</p> <p><b>Sector of end use (SU):</b></p> <p>SU 5: Manufacture of textiles, leather, fur            SU 8: Manufacture of bulk, large scale chemicals (including petroleum products)            SU 9: Manufacture of fine chemicals            SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p>
15	Use of ZnS-containing textile & leather coatings	as such (substance itself)  in a mixture	<p><b>Process category (PROC):</b></p> <p>PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises            PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)            PROC 6: Calendaring operations            PROC 8b: Transfer of substance or preparation (charging/discharging) from/to</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>vessels/large containers at dedicated facilities            PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)            PROC 10: Roller application or brushing            PROC 13: Treatment of articles by dipping and pouring            PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p><b>Market sector by type of chemical product:</b>            PC 9a: Coatings and paints, thinners, paint removes            PC 15: Non-metal-surface treatment products            PC 23: Leather tanning, dye, finishing, impregnation and care products            PC 34: Textile dyes, finishing and impregnating products; including bleaches and other processing aids</p> <p><b>Environmental release category (ERC):</b>            ERC 4: Industrial use of processing aids in processes and products, not becoming part of articles            ERC 5: Industrial use resulting in inclusion into or onto a matrix</p> <p><b>Sector of end use (SU):</b>            SU 5: Manufacture of textiles, leather, fur            SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b>            AC 6: Leather articles            AC 5: Fabrics, textiles and apparel</p>
16	Additive for the production of Lubricants / Grease pastes	in a mixture	<p><b>Process category (PROC):</b>            PROC 3: Use in closed batch process (synthesis or formulation)            PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises            PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)            PROC 8b: Transfer of substance or preparation (charging/discharging) from/to</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>vessels/large containers at dedicated facilities  PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)  PROC 13: Treatment of articles by dipping and pouring</p> <p><b>Market sector by type of chemical product:</b></p> <p>PC 14: Metal surface treatment products, including galvanic and electroplating products  PC 24: Lubricants, greases, release products  PC 25: Metal working fluids  PC 32: Polymer preparations and compounds</p> <p><b>Environmental release category (ERC):</b></p> <p>ERC 1: Manufacture of substances  ERC 2: Formulation of preparations  ERC 3: Formulation in materials  ERC 5: Industrial use resulting in inclusion into or onto a matrix  ERC 6a: Industrial use resulting in manufacture of another substance (use of intermediates)  ERC 6d: Industrial use of process regulators for polymerisation processes in production of resins, rubbers, polymers</p> <p><b>Sector of end use (SU):</b></p> <p>SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)  SU 18: Manufacture of furniture</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b></p> <p>AC 1: Vehicles  AC 2: Machinery, mechanical appliances, electrical/electronic articles  AC 7: Metal articles</p>
17	Additive / component for production of ceramics	as such (substance itself)  in a mixture	<p><b>Process category (PROC):</b></p> <p>PROC 2: Use in closed, continuous process with occasional controlled exposure  PROC 3: Use in closed batch process (synthesis or formulation)  PROC 4: Use in batch and other process (synthesis) where opportunity for exposure</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>arises</p> <p>PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)</p> <p>PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities</p> <p>PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)</p> <p>PROC 10: Roller application or brushing</p> <p>PROC 13: Treatment of articles by dipping and pouring</p> <p>PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation</p> <p>PROC 15: Use as laboratory reagent</p> <p>PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting</p> <p>PROC 26: Handling of solid inorganic substances at ambient temperature</p> <p><b>Market sector by type of chemical product:</b></p> <p>PC 19: Intermediate</p> <p>PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents</p> <p>PC 21: Laboratory chemicals</p> <p>PC 9b: Fillers, putties, plasters, modelling clay</p> <p><b>Environmental release category (ERC):</b></p> <p>ERC 1: Manufacture of substances</p> <p>ERC 2: Formulation of preparations</p> <p>ERC 3: Formulation in materials</p> <p>ERC 5: Industrial use resulting in inclusion into or onto a matrix</p> <p><b>Sector of end use (SU):</b></p> <p>SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)</p> <p>SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement</p> <p>SU 0: Other: Nace C23.2: Manufacture of refractory products</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b></p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			AC 4: Stone, plaster, cement, glass and ceramic articles
18	Additive /component for production of frits	as such (substance itself)  in a mixture	<p><b>Process category (PROC):</b></p> <p>PROC 2: Use in closed, continuous process with occasional controlled exposure  PROC 3: Use in closed batch process (synthesis or formulation)  PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises  PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)  PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities  PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)  PROC 13: Treatment of articles by dipping and pouring  PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation  PROC 15: Use as laboratory reagent  PROC 17: Lubrication at high energy conditions and in partly open process  PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting  PROC 26: Handling of solid inorganic substances at ambient temperature</p> <p><b>Market sector by type of chemical product:</b></p> <p>PC 19: Intermediate  PC 0: Other: UCN R30100-R30200: Raw materials for synthesis and intermediate products/Raw materials for production of glass and ceramics</p> <p><b>Environmental release category (ERC):</b></p> <p>ERC 1: Manufacture of substances  ERC 2: Formulation of preparations  ERC 3: Formulation in materials  ERC 5: Industrial use resulting in inclusion into or onto a matrix  ERC 6a: Industrial use resulting in manufacture of another substance (use of intermediates)</p> <p><b>Sector of end use (SU):</b></p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)  SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b>  AC 4: Stone, plaster, cement, glass and ceramic articles  AC 0: Other: TARIC 8541 21 transistors other than photosensitive transistors  AC 3: Electrical batteries and accumulators</p>
19	Additive for the production of Friction agents	as such (substance itself)  in a mixture	<p><b>Process category (PROC):</b>  PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises  PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)  PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities  PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)  PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation</p> <p><b>Market sector by type of chemical product:</b>  PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents  PC 0: Other: UCN F40000: Friction agents - (e.g. brake pads)</p> <p><b>Environmental release category (ERC):</b>  ERC 2: Formulation of preparations  ERC 5: Industrial use resulting in inclusion into or onto a matrix</p> <p><b>Sector of end use (SU):</b>  SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)  SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement  SU 0: Other: Nace C23.9.1: Production of abrasive products</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p><b>Article category related to subsequent service life (AC):</b> AC 0: Other: TARIC 6813 81: brake linings and pads</p>
20	Downstream use of ZnS containing friction agents (breakpads)	in a mixture	<p><b>Process category (PROC):</b> PROC 17: Lubrication at high energy conditions and in partly open process PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles</p> <p><b>Market sector by type of chemical product:</b> PC 0: Other: UCNF40000: Friction agents - (e.g. brake pads)</p> <p><b>Environmental release category (ERC):</b> ERC 10b: Wide dispersive outdoor use of long-life articles and materials with high or intended release (including abrasive processing)</p> <p><b>Sector of end use (SU):</b> SU 17: General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b> AC 0: Other: TARIC 6813 81: brake linings and pads AC 1: Vehicles AC 2: Machinery, mechanical appliances, electrical/electronic articles</p>
21	Additive / component for production of glass	as such (substance itself)  in a mixture	<p><b>Process category (PROC):</b> PROC 2: Use in closed, continuous process with occasional controlled exposure PROC 3: Use in closed batch process (synthesis or formulation) PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)</p>



IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities            PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)            PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting</p> <p><b>Market sector by type of chemical product:</b>            PC 19: Intermediate            PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents            PC 0: Other: UCN R30200: Raw materials for production of glass and ceramics</p> <p><b>Environmental release category (ERC):</b>            ERC 2: Formulation of preparations            ERC 3: Formulation in materials            ERC 5: Industrial use resulting in inclusion into or onto a matrix            ERC 6a: Industrial use resulting in manufacture of another substance (use of intermediates)</p> <p><b>Sector of end use (SU):</b>            SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)            SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement            SU 0: Other: Nace C23.1: Manufacture of glass and glass products</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b>            AC 4: Stone, plaster, cement, glass and ceramic articles</p>
22	Use of ZnS containing glass and ceramics in dinnerware	in a mixture	<p><b>Process category (PROC):</b>            PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation            PROC 26: Handling of solid inorganic substances at ambient temperature</p> <p><b>Market sector by type of chemical product:</b>            PC 19: Intermediate</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents</p> <p><b>Environmental release category (ERC):</b> ERC 5: Industrial use resulting in inclusion into or onto a matrix</p> <p><b>Sector of end use (SU):</b> SU 0: Other: C23.4 - Manufacture of other porcelain and ceramic products SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b> AC 4: Stone, plaster, cement, glass and ceramic articles AC 0: Other: TARIC 6911: tableware, kitchenware, household products in porcelain or china</p>
23	Use of ZnS containing glass in displays	in a mixture	<p><b>Process category (PROC):</b> PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation PROC 26: Handling of solid inorganic substances at ambient temperature</p> <p><b>Market sector by type of chemical product:</b> PC 19: Intermediate PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents</p> <p><b>Environmental release category (ERC):</b> ERC 5: Industrial use resulting in inclusion into or onto a matrix</p> <p><b>Sector of end use (SU):</b> SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement SU 16: Manufacture of computer, electronic and optical products, electrical equipment SU 0: Other: Nace C23.1: C23.1 - Manufacture of glass and glass products</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p>
24	Use of ZnS-containing optical material	in a mixture	<b>Process category (PROC):</b>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)            PROC 10: Roller application or brushing            PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation            PROC 26: Handling of solid inorganic substances at ambient temperature</p> <p><b>Market sector by type of chemical product:</b>            PC 9a: Coatings and paints, thinners, paint removes            PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents            PC 33: Semiconductors</p> <p><b>Environmental release category (ERC):</b>            ERC 5: Industrial use resulting in inclusion into or onto a matrix            ERC 11a: Wide dispersive indoor use of long-life articles and materials with low release</p> <p><b>Sector of end use (SU):</b>            SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement            SU 0: Other: Nace C23.1: Manufacture of glass and glass products</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b>            AC 2: Machinery, mechanical appliances, electrical/electronic articles            AC 4: Stone, plaster, cement, glass and ceramic articles</p>
25	Use of ZnS containing glassy thin films coating	in a mixture	<p><b>Process category (PROC):</b>            PROC 7: Industrial spraying            PROC 10: Roller application or brushing            PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation            PROC 26: Handling of solid inorganic substances at ambient temperature</p> <p><b>Market sector by type of chemical product:</b>            PC 9a: Coatings and paints, thinners, paint removes</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents PC 15: Non-metal-surface treatment products</p> <p><b>Environmental release category (ERC):</b> ERC 5: Industrial use resulting in inclusion into or onto a matrix</p> <p><b>Sector of end use (SU):</b> SU 0: Other: nace C23.1 SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b> AC 2: Machinery, mechanical appliances, electrical/electronic articles AC 4: Stone, plaster, cement, glass and ceramic articles</p>
26	Additive in the manufacturing of electronic components	as such (substance itself)  in a mixture	<p><b>Process category (PROC):</b> PROC 3: Use in closed batch process (synthesis or formulation) PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing) PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles</p> <p><b>Market sector by type of chemical product:</b> PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents PC 0: Other: UCN E0700: Electric and electromechanical components</p> <p><b>Environmental release category (ERC):</b></p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>ERC 2: Formulation of preparations ERC 5: Industrial use resulting in inclusion into or onto a matrix</p> <p><b>Sector of end use (SU):</b> SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys) SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement SU 0: Other: Nace 26.1.1: Manufacture of electronic components</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b> AC 2: Machinery, mechanical appliances, electrical/electronic articles AC 4: Stone, plaster, cement, glass and ceramic articles</p>
27	Additive in the manufacturing of cathode ray tube	as such (substance itself)  in a mixture	<p><b>Process category (PROC):</b> PROC 3: Use in closed batch process (synthesis or formulation) PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing) PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles</p> <p><b>Market sector by type of chemical product:</b> PC 19: Intermediate PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents PC 0: Other: UCN E0700: Electric and electromechanical components</p> <p><b>Environmental release category (ERC):</b> ERC 2: Formulation of preparations</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>ERC 5: Industrial use resulting in inclusion into or onto a matrix</p> <p><b>Sector of end use (SU):</b></p> <p>SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)  SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement  SU 16: Manufacture of computer, electronic and optical products, electrical equipment</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b></p> <p>AC 2: Machinery, mechanical appliances, electrical/electronic articles  AC 4: Stone, plaster, cement, glass and ceramic articles</p>
28	Additive in the manufacturing of electroluminescent panels	as such (substance itself)  in a mixture	<p><b>Process category (PROC):</b></p> <p>PROC 3: Use in closed batch process (synthesis or formulation)  PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)  PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities  PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)  PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation  PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting  PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles</p> <p><b>Market sector by type of chemical product:</b></p> <p>PC 19: Intermediate  PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents  PC 0: Other: UCN E0700: Electric and electromechanical components</p> <p><b>Environmental release category (ERC):</b></p> <p>ERC 2: Formulation of preparations  ERC 5: Industrial use resulting in inclusion into or onto a matrix</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p><b>Sector of end use (SU):</b></p> <p>SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)  SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement  SU 16: Manufacture of computer, electronic and optical products, electrical equipment</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b></p> <p>AC 2: Machinery, mechanical appliances, electrical/electronic articles  AC 4: Stone, plaster, cement, glass and ceramic articles</p>
29	Batteries/Fuel cells	as such (substance itself)  in a mixture	<p><b>Process category (PROC):</b></p> <p>PROC 3: Use in closed batch process (synthesis or formulation)  PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)  PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation  PROC 13: Treatment of articles by dipping and pouring</p> <p><b>Market sector by type of chemical product:</b></p> <p>PC 14: Metal surface treatment products, including galvanic and electroplating products  PC 19: Intermediate  PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents  PC 21: Laboratory chemicals</p> <p><b>Environmental release category (ERC):</b></p> <p>ERC 2: Formulation of preparations  ERC 5: Industrial use resulting in inclusion into or onto a matrix</p> <p><b>Sector of end use (SU):</b></p> <p>SU 16: Manufacture of computer, electronic and optical products, electrical equipment  SU 0: Other: Nace C27.2: Manufacture of batteries and accumulators</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p><b>Article category related to subsequent service life (AC):</b></p> <p>AC 3: Electrical batteries and accumulators</p>
30	Component for production of rubber, resins and related preparations	as such (substance itself)  in a mixture	<p><b>Process category (PROC):</b></p> <p>PROC 3: Use in closed batch process (synthesis or formulation)</p> <p>PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises</p> <p>PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)</p> <p>PROC 6: Calendaring operations</p> <p>PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities</p> <p>PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)</p> <p>PROC 10: Roller application or brushing</p> <p>PROC 12: Use of blowing agents in manufacture of foam</p> <p>PROC 13: Treatment of articles by dipping and pouring</p> <p>PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation</p> <p>PROC 21: Low energy manipulation of substances bound in materials and/or articles</p> <p>PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles</p> <p><b>Market sector by type of chemical product:</b></p> <p>PC 9a: Coatings and paints, thinners, paint removes</p> <p>PC 9b: Fillers, putties, plasters, modelling clay</p> <p>PC 9c: Finger paints</p> <p>PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents</p> <p>PC 24: Lubricants, greases, release products</p> <p>PC 32: Polymer preparations and compounds</p> <p>PC 33: Semiconductors</p> <p><b>Environmental release category (ERC):</b></p> <p>ERC 2: Formulation of preparations</p> <p>ERC 3: Formulation in materials</p>



IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>ERC 4: Industrial use of processing aids in processes and products, not becoming part of articles  ERC 5: Industrial use resulting in inclusion into or onto a matrix  ERC 6b: Industrial use of reactive processing aids  ERC 6d: Industrial use of process regulators for polymerisation processes in production of resins, rubbers, polymers</p> <p><b>Sector of end use (SU):</b>  SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)  SU 11: Manufacture of rubber products</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b>  AC 10: Rubber articles</p>
31	Component for polymer-matrices, plastics and related preparations	as such (substance itself)  in a mixture	<p><b>Process category (PROC):</b>  PROC 2: Use in closed, continuous process with occasional controlled exposure  PROC 3: Use in closed batch process (synthesis or formulation)  PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)  PROC 6: Calendering operations  PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities  PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)  PROC 10: Roller application or brushing  PROC 13: Treatment of articles by dipping and pouring  PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation  PROC 21: Low energy manipulation of substances bound in materials and/or articles  PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles</p> <p><b>Market sector by type of chemical product:</b>  PC 19: Intermediate</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents  PC 32: Polymer preparations and compounds  PC 33: Semiconductors</p> <p><b>Environmental release category (ERC):</b>  ERC 1: Manufacture of substances  ERC 3: Formulation in materials  ERC 5: Industrial use resulting in inclusion into or onto a matrix  ERC 6a: Industrial use resulting in manufacture of another substance (use of intermediates)</p> <p><b>Sector of end use (SU):</b>  SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)  SU 12: Manufacture of plastics products, including compounding and conversion</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b>  AC 1: Vehicles  AC 2: Machinery, mechanical appliances, electrical/electronic articles  AC 3: Electrical batteries and accumulators  AC 5: Fabrics, textiles and apparel  AC 13: Plastic articles</p>
33	Use of ZnS containing latex coagulant	in a mixture	<p><b>Process category (PROC):</b>  PROC 3: Use in closed batch process (synthesis or formulation)  PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)  PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities  PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)  PROC 1: Use in closed process, no likelihood of exposure  PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting</p> <p><b>Market sector by type of chemical product:</b></p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>PC 9b: Fillers, putties, plasters, modelling clay  PC 19: Intermediate  PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents  PC 32: Polymer preparations and compounds</p> <p><b>Environmental release category (ERC):</b>  ERC 2: Formulation of preparations  ERC 5: Industrial use resulting in inclusion into or onto a matrix</p> <p><b>Sector of end use (SU):</b>  SU 9: Manufacture of fine chemicals  SU 11: Manufacture of rubber products</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p>
34	Use of ZnS-containing catalysts	in a mixture	<p><b>Process category (PROC):</b>  PROC 1: Use in closed process, no likelihood of exposure  PROC 2: Use in closed, continuous process with occasional controlled exposure  PROC 3: Use in closed batch process (synthesis or formulation)  PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises  PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)  PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities  PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)  PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation</p> <p><b>Market sector by type of chemical product:</b>  PC 2: Adsorbents  PC 9b: Fillers, putties, plasters, modelling clay  PC 19: Intermediate  PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents  PC 40: Extraction agents</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p><b>Environmental release category (ERC):</b></p> <p>ERC 1: Manufacture of substances  ERC 2: Formulation of preparations  ERC 4: Industrial use of processing aids in processes and products, not becoming part of articles  ERC 5: Industrial use resulting in inclusion into or onto a matrix  ERC 6a: Industrial use resulting in manufacture of another substance (use of intermediates)  ERC 6b: Industrial use of reactive processing aids</p> <p><b>Sector of end use (SU):</b></p> <p>SU 8: Manufacture of bulk, large scale chemicals (including petroleum products)  SU 9: Manufacture of fine chemicals  SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p>
35	Use of ZnS-containing adsorbents	in a mixture	<p><b>Process category (PROC):</b></p> <p>PROC 1: Use in closed process, no likelihood of exposure  PROC 3: Use in closed batch process (synthesis or formulation)  PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)  PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities  PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)  PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting</p> <p><b>Market sector by type of chemical product:</b></p> <p>PC 2: Adsorbents  PC 9b: Fillers, putties, plasters, modelling clay  PC 19: Intermediate  PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents  PC 40: Extraction agents</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p><b>Environmental release category (ERC):</b></p> <p>ERC 2: Formulation of preparations ERC 5: Industrial use resulting in inclusion into or onto a matrix</p> <p><b>Sector of end use (SU):</b></p> <p>SU 8: Manufacture of bulk, large scale chemicals (including petroleum products) SU 9: Manufacture of fine chemicals</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p>
36	Additive for the production of Sealants / Adhesives / Mastics	as such (substance itself)  in a mixture	<p><b>Process category (PROC):</b></p> <p>PROC 3: Use in closed batch process (synthesis or formulation) PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing) PROC 10: Roller application or brushing PROC 11: Non industrial spraying PROC 13: Treatment of articles by dipping and pouring PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation PROC 20: Heat and pressure transfer fluids in dispersive, professional use but closed systems PROC 21: Low energy manipulation of substances bound in materials and/or articles PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles</p> <p><b>Market sector by type of chemical product:</b></p> <p>PC 1: Adhesives, sealants PC 9a: Coatings and paints, thinners, paint removes PC 9b: Fillers, putties, plasters, modelling clay PC 9c: Finger paints PC 14: Metal surface treatment products, including galvanic and electroplating products</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>PC 19: Intermediate  PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents  PC 24: Lubricants, greases, release products  PC 32: Polymer preparations and compounds</p> <p><b>Environmental release category (ERC):</b></p> <p>ERC 1: Manufacture of substances  ERC 2: Formulation of preparations  ERC 3: Formulation in materials  ERC 5: Industrial use resulting in inclusion into or onto a matrix  ERC 6d: Industrial use of process regulators for polymerisation processes in production of resins, rubbers, polymers  ERC 6a: Industrial use resulting in manufacture of another substance (use of intermediates)</p> <p><b>Sector of end use (SU):</b></p> <p>SU 6a: Manufacture of wood and wood products  SU 6b: Manufacture of pulp, paper and paper products  SU 8: Manufacture of bulk, large scale chemicals (including petroleum products)  SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b></p> <p>AC 1: Vehicles  AC 2: Machinery, mechanical appliances, electrical/electronic articles  AC 7: Metal articles  AC 11: Wood articles</p>
38	Additive for the formulation of biocidal (anti-acarids) products	as such (substance itself)  in a mixture	<p><b>Process category (PROC):</b></p> <p>PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)  PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities  PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p><b>Market sector by type of chemical product:</b>  PC 8: Biocidal products (e.g. disinfectants, pest control)  PC 37: Water treatment chemicals</p> <p><b>Environmental release category (ERC):</b>  ERC 2: Formulation of preparations</p> <p><b>Sector of end use (SU):</b>  SU 9: Manufacture of fine chemicals  SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p>
39	Additive for the formulation of fertilizers	as such (substance itself)  in a mixture	<p><b>Process category (PROC):</b>  PROC 1: Use in closed process, no likelihood of exposure  PROC 2: Use in closed, continuous process with occasional controlled exposure  PROC 3: Use in closed batch process (synthesis or formulation)  PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises  PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)  PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities  PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)  PROC 13: Treatment of articles by dipping and pouring</p> <p><b>Market sector by type of chemical product:</b>  PC 9b: Fillers, putties, plasters, modelling clay  PC 12: Fertilisers  PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents  PC 21: Laboratory chemicals</p> <p><b>Environmental release category (ERC):</b>  ERC 2: Formulation of preparations</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>ERC 3: Formulation in materials  ERC 5: Industrial use resulting in inclusion into or onto a matrix</p> <p><b>Sector of end use (SU):</b>  SU 1: Agriculture, forestry and fishing  SU 8: Manufacture of bulk, large scale chemicals (including petroleum products)  SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p>



Uses by professional workers

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
6	Laboratory reagent	as such (substance itself)	<p><b>Process category (PROC):</b></p> <p>PROC 1: Use in closed process, no likelihood of exposure            PROC 2: Use in closed, continuous process with occasional controlled exposure            PROC 3: Use in closed batch process (synthesis or formulation)            PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises            PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)            PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities            PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)            PROC 15: Use as laboratory reagent</p> <p><b>Market sector by type of chemical product:</b></p> <p>PC 19: Intermediate            PC 21: Laboratory chemicals            PC 28: Perfumes, fragrances            PC 39: Cosmetics, personal care products</p> <p><b>Environmental release category (ERC):</b></p> <p>ERC 1: Manufacture of substances            ERC 2: Formulation of preparations            ERC 8a: Wide dispersive indoor use of processing aids in open systems            ERC 8b: Wide dispersive indoor use of reactive substances in open systems            ERC 8d: Wide dispersive outdoor use of processing aids in open systems</p> <p><b>Sector of end use (SU):</b></p> <p>SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)            SU 24: Scientific research and development</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p>
10	Use of ZnS-containing paints & coatings	in a mixture	<p><b>Process category (PROC):</b></p> <p>PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)            PROC 7: Industrial spraying            PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities            PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)            PROC 10: Roller application or brushing            PROC 11: Non industrial spraying            PROC 13: Treatment of articles by dipping and pouring            PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p><b>Market sector by type of chemical product:</b></p> <p>PC 1: Adhesives, sealants            PC 9a: Coatings and paints, thinners, paint removers            PC 9b: Fillers, putties, plasters, modelling clay            PC 9c: Finger paints            PC 14: Metal surface treatment products, including galvanic and electroplating products            PC 15: Non-metal-surface treatment products            PC 18: Ink and toners</p> <p><b>Environmental release category (ERC):</b></p> <p>ERC 8a: Wide dispersive indoor use of processing aids in open systems            ERC 8d: Wide dispersive outdoor use of processing aids in open systems            ERC 10a: Wide dispersive outdoor use of long-life articles and materials with low release            ERC 11a: Wide dispersive indoor use of long-life articles and materials with low release</p> <p><b>Sector of end use (SU):</b></p> <p>SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b></p>
11	Artists supply: Use of ZnS-containing paints & coatings	in a mixture	<p><b>Process category (PROC):</b></p> <p>PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)            PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities            PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)            PROC 10: Roller application or brushing            PROC 11: Non industrial spraying            PROC 13: Treatment of articles by dipping and pouring            PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p><b>Market sector by type of chemical product:</b>            PC 1: Adhesives, sealants            PC 9a: Coatings and paints, thinners, paint removes            PC 9b: Fillers, putties, plasters, modelling clay            PC 9c: Finger paints            PC 14: Metal surface treatment products, including galvanic and electroplating products            PC 15: Non-metal-surface treatment products            PC 18: Ink and toners            PC 21: Laboratory chemicals</p> <p><b>Environmental release category (ERC):</b>            ERC 8a: Wide dispersive indoor use of processing aids in open systems            ERC 8d: Wide dispersive outdoor use of processing aids in open systems            ERC 10a: Wide dispersive outdoor use of long-life articles and materials with low release            ERC 11a: Wide dispersive indoor use of long-life articles and materials with low release</p> <p><b>Sector of end use (SU):</b>            SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b>            AC 0: Other:coatings for art and creative items</p>
13	Use of ZnS-containing paper coatings	in a mixture	<b>Process category (PROC):</b>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises            PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)            PROC 6: Calendering operations            PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities            PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)            PROC 10: Roller application or brushing            PROC 13: Treatment of articles by dipping and pouring            PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p><b>Market sector by type of chemical product:</b></p> <p>PC 9a: Coatings and paints, thinners, paint removes            PC 15: Non-metal-surface treatment products            PC 18: Ink and toners            PC 26: Paper and board dye, finishing and impregnation products: including bleaches and other processing aids</p> <p><b>Environmental release category (ERC):</b></p> <p>ERC 8a: Wide dispersive indoor use of processing aids in open systems            ERC 8d: Wide dispersive outdoor use of processing aids in open systems            ERC 10a: Wide dispersive outdoor use of long-life articles and materials with low release            ERC 11a: Wide dispersive indoor use of long-life articles and materials with low release</p> <p><b>Sector of end use (SU):</b></p> <p>SU 6b: Manufacture of pulp, paper and paper products            SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b></p> <p>AC 0: Other:coatings for art and creative items            AC 8: Paper articles</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
15	Use of ZnS-containing textile & leather coatings	in a mixture	<p><b>Process category (PROC):</b></p> <p>PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises  PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)  PROC 6: Calendering operations  PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities  PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)  PROC 10: Roller application or brushing  PROC 13: Treatment of articles by dipping and pouring  PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p><b>Market sector by type of chemical product:</b></p> <p>PC 9a: Coatings and paints, thinners, paint removes  PC 15: Non-metal-surface treatment products  PC 23: Leather tanning, dye, finishing, impregnation and care products  PC 34: Textile dyes, finishing and impregnating products; including bleaches and other processing aids</p> <p><b>Environmental release category (ERC):</b></p> <p>ERC 8a: Wide dispersive indoor use of processing aids in open systems  ERC 8d: Wide dispersive outdoor use of processing aids in open systems  ERC 10a: Wide dispersive outdoor use of long-life articles and materials with low release  ERC 11a: Wide dispersive indoor use of long-life articles and materials with low release</p> <p><b>Sector of end use (SU):</b></p> <p>SU 5: Manufacture of textiles, leather, fur  SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b></p> <p>AC 6: Leather articles  AC 5: Fabrics, textiles and apparel</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
20	Use of ZnS-containing friction agents: Brake pads	in a mixture	<p><b>Process category (PROC):</b>  PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation  PROC 21: Low energy manipulation of substances bound in materials and/or articles</p> <p><b>Market sector by type of chemical product:</b>  PC 0: Other: UCN F40000: Friction agents - (e.g. brake pads)</p> <p><b>Environmental release category (ERC):</b>  ERC 10a: Wide dispersive outdoor use of long-life articles and materials with low release  ERC 10b: Wide dispersive outdoor use of long-life articles and materials with high or intended release (including abrasive processing)  ERC 12a: Industrial processing of articles with abrasive techniques (low release)</p> <p><b>Sector of end use (SU):</b>  SU 17: General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b>  AC 1: Vehicles  AC 0: Other:TARIC 6813 81 brake linings and pads</p>
22	Use of ZnS-containing glass & ceramics in dinnerware	in a mixture	<p><b>Process category (PROC):</b>  PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation  PROC 26: Handling of solid inorganic substances at ambient temperature</p> <p><b>Market sector by type of chemical product:</b>  PC 19: Intermediate  PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents</p> <p><b>Environmental release category (ERC):</b></p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>ERC 5: Industrial use resulting in inclusion into or onto a matrix ERC 11a: Wide dispersive indoor use of long-life articles and materials with low release</p> <p><b>Sector of end use (SU):</b></p> <p>SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement SU 0: Other:Nace C23.4: Manufacture of other porcelain and ceramic products</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b></p> <p>AC 4: Stone, plaster, cement, glass and ceramic articles AC 0: Other:TARIC 6911: tableware, kitchenware, household products in porcelain or china</p>
23	Use of ZnS-containing glass in displays	in a mixture	<p><b>Process category (PROC):</b></p> <p>PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation PROC 26: Handling of solid inorganic substances at ambient temperature</p> <p><b>Market sector by type of chemical product:</b></p> <p>PC 19: Intermediate PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents</p> <p><b>Environmental release category (ERC):</b></p> <p>ERC 5: Industrial use resulting in inclusion into or onto a matrix ERC 11a: Wide dispersive indoor use of long-life articles and materials with low release</p> <p><b>Sector of end use (SU):</b></p> <p>SU 16: Manufacture of computer, electronic and optical products, electrical equipment SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement SU 0: Other:Nace C23.1: Manufacture of glass and glass products</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b></p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			AC 2: Machinery, mechanical appliances, electrical/electronic articles AC 4: Stone, plaster, cement, glass and ceramic articles
24	Use of ZnS-containing optical material	in a mixture	<p><b>Process category (PROC):</b></p> PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) PROC 10: Roller application or brushing PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation PROC 26: Handling of solid inorganic substances at ambient temperature <p><b>Market sector by type of chemical product:</b></p> PC 9a: Coatings and paints, thinners, paint removes PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents PC 33: Semiconductors <p><b>Environmental release category (ERC):</b></p> ERC 5: Industrial use resulting in inclusion into or onto a matrix ERC 11a: Wide dispersive indoor use of long-life articles and materials with low release <p><b>Sector of end use (SU):</b></p> SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement SU 0: Other:NaceC23.1: Manufacture of glass and glass products <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b></p> AC 2: Machinery, mechanical appliances, electrical/electronic articles AC 4: Stone, plaster, cement, glass and ceramic articles
25	Use of ZnS-containing glassy thin film coatings	in a mixture	<p><b>Process category (PROC):</b></p> PROC 7: Industrial spraying PROC 10: Roller application or brushing PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation



IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>PROC 26: Handling of solid inorganic substances at ambient temperature</p> <p><b>Market sector by type of chemical product:</b></p> <p>PC 9a: Coatings and paints, thinners, paint removes  PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents  PC 33: Semiconductors</p> <p><b>Environmental release category (ERC):</b></p> <p>ERC 11a: Wide dispersive indoor use of long-life articles and materials with low release</p> <p><b>Sector of end use (SU):</b></p> <p>SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement  SU 0: Other:Nace C23.1: Manufacture of other porcelain and ceramic products</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b></p> <p>AC 2: Machinery, mechanical appliances, electrical/electronic articles  AC 4: Stone, plaster, cement, glass and ceramic articles</p>
32	Use of ZnS-containing plastic thin films coatings	in a mixture	<p><b>Process category (PROC):</b></p> <p>PROC 1: Use in closed process, no likelihood of exposure  PROC 13: Treatment of articles by dipping and pouring</p> <p><b>Market sector by type of chemical product:</b></p> <p>PC 32: Polymer preparations and compounds  PC 33: Semiconductors</p> <p><b>Environmental release category (ERC):</b></p> <p>ERC 10a: Wide dispersive outdoor use of long-life articles and materials with low release  ERC 11a: Wide dispersive indoor use of long-life articles and materials with low release</p> <p><b>Sector of end use (SU):</b></p> <p>SU 4: Manufacture of food products</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>SU 12: Manufacture of plastics products, including compounding and conversion</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b></p> <p>AC 1: Vehicles  AC 2: Machinery, mechanical appliances, electrical/electronic articles  AC 3: Electrical batteries and accumulators  AC 5: Fabrics, textiles and apparel  AC 13: Plastic articles</p>
36	Use of ZnS-containing Sealants / Adhesives / Mastics	in a mixture	<p><b>Process category (PROC):</b></p> <p>PROC 7: Industrial spraying  PROC 8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities  PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities  PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)  PROC 11: Non industrial spraying  PROC 13: Treatment of articles by dipping and pouring  PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation  PROC 17: Lubrication at high energy conditions and in partly open process  PROC 19: Hand-mixing with intimate contact and only PPE available.  PROC 21: Low energy manipulation of substances bound in materials and/or articles</p> <p><b>Market sector by type of chemical product:</b></p> <p>PC 1: Adhesives, sealants  PC 9a: Coatings and paints, thinners, paint removes  PC 9b: Fillers, putties, plasters, modelling clay  PC 9c: Finger paints  PC 14: Metal surface treatment products, including galvanic and electroplating products  PC 19: Intermediate  PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents  PC 24: Lubricants, greases, release products</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>PC 32: Polymer preparations and compounds</p> <p><b>Environmental release category (ERC):</b></p> <p>ERC 8a: Wide dispersive indoor use of processing aids in open systems  ERC 8c: Wide dispersive indoor use resulting in inclusion into or onto a matrix  ERC 8d: Wide dispersive outdoor use of processing aids in open systems  ERC 8f: Wide dispersive outdoor use resulting in inclusion into or onto a matrix</p> <p><b>Sector of end use (SU):</b></p> <p>SU 5: Manufacture of textiles, leather, fur  SU 6a: Manufacture of wood and wood products  SU 6b: Manufacture of pulp, paper and paper products  SU 11: Manufacture of rubber products  SU 12: Manufacture of plastics products, including compounding and conversion  SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement  SU 15: Manufacture of fabricated metal products, except machinery and equipment  SU 19: Building and construction work</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b></p> <p>AC 1: Vehicles  AC 2: Machinery, mechanical appliances, electrical/electronic articles  AC 7: Metal articles  AC 11: Wood articles</p>
40	Use of ZnS-containing fertilizer's formulations	in a mixture	<p><b>Process category (PROC):</b></p> <p>PROC 2: Use in closed, continuous process with occasional controlled exposure  PROC 7: Industrial spraying  PROC 8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities  PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities  PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)</p>

IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			<p>PROC 10: Roller application or brushing            PROC 11: Non industrial spraying            PROC 13: Treatment of articles by dipping and pouring            PROC 19: Hand-mixing with intimate contact and only PPE available.            PROC 26: Handling of solid inorganic substances at ambient temperature</p> <p><b>Market sector by type of chemical product:</b></p> <p>PC 12: Fertilisers            PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents</p> <p><b>Environmental release category (ERC):</b></p> <p>ERC 8a: Wide dispersive indoor use of processing aids in open systems            ERC 8b: Wide dispersive indoor use of reactive substances in open systems            ERC 8d: Wide dispersive outdoor use of processing aids in open systems            ERC 8e: Wide dispersive outdoor use of reactive substances in open systems            ERC 9b: Wide dispersive outdoor use of substances in closed systems            ERC 10b: Wide dispersive outdoor use of long-life articles and materials with high or intended release (including abrasive processing)</p> <p><b>Sector of end use (SU):</b></p> <p>SU 1: Agriculture, forestry and fishing            SU 9: Manufacture of fine chemicals</p> <p><b>Subsequent service life relevant for that use?:</b> yes</p>

Uses by consumers

IU number	Identified Use (IU) name	Use descriptors
11	Artists supply: Use of ZnS-containing paints & coatings	<p><b>Chemical product category (PC):</b></p> <ul style="list-style-type: none"> <li>PC 1: Adhesives, sealants</li> <li>PC 9a: Coatings and paints, thinners, paint removers</li> <li>PC 9b: Fillers, putties, plasters, modelling clay</li> <li>PC 9c: Finger paints</li> <li>PC 14: Metal surface treatment products, including galvanic and electroplating products</li> <li>PC 15: Non-metal-surface treatment products</li> <li>PC 18: Ink and toners</li> <li>PC 21: Laboratory chemicals</li> </ul> <p><b>Environmental release category (ERC):</b></p> <ul style="list-style-type: none"> <li>ERC 8a: Wide dispersive indoor use of processing aids in open systems</li> <li>ERC 8d: Wide dispersive outdoor use of processing aids in open systems</li> <li>ERC 10a: Wide dispersive outdoor use of long-life articles and materials with low release</li> <li>ERC 11a: Wide dispersive indoor use of long-life articles and materials with low release</li> </ul> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b></p> <ul style="list-style-type: none"> <li>AC 0: Other: coatings for art and creative items</li> </ul>
32	Use of ZnS-containing plastic thin films coatings	<p><b>Chemical product category (PC):</b></p> <ul style="list-style-type: none"> <li>PC 32: Polymer preparations and compounds</li> <li>PC 33: Semiconductors</li> </ul> <p><b>Environmental release category (ERC):</b></p> <ul style="list-style-type: none"> <li>ERC 10a: Wide dispersive outdoor use of long-life articles and materials with low release</li> <li>ERC 11a: Wide dispersive indoor use of long-life articles and materials with low release</li> </ul> <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b></p> <ul style="list-style-type: none"> <li>AC 1: Vehicles</li> <li>AC 2: Machinery, mechanical appliances, electrical/electronic articles</li> </ul>

IU number	Identified Use (IU) name	Use descriptors
		AC 3: Electrical batteries and accumulators AC 5: Fabrics, textiles and apparel AC 13: Plastic articles
37	Use of ZnS-containing Sealants / Adhesives / Mastics	<p><b>Chemical product category (PC):</b></p> PC 1: Adhesives, sealants PC 9a: Coatings and paints, thinners, paint removers PC 9b: Fillers, putties, plasters, modelling clay PC 9c: Finger paints PC 14: Metal surface treatment products, including galvanic and electroplating products PC 19: Intermediate PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents PC 24: Lubricants, greases, release products PC 32: Polymer preparations and compounds <p><b>Environmental release category (ERC):</b></p> ERC 8a: Wide dispersive indoor use of processing aids in open systems ERC 8c: Wide dispersive indoor use resulting in inclusion into or onto a matrix ERC 8d: Wide dispersive outdoor use of processing aids in open systems ERC 8f: Wide dispersive outdoor use resulting in inclusion into or onto a matrix <p><b>Subsequent service life relevant for that use?:</b> yes</p> <p><b>Article category related to subsequent service life (AC):</b></p> AC 1: Vehicles AC 2: Machinery, mechanical appliances, electrical/electronic articles AC 7: Metal articles AC 11: Wood articles
40	Use of ZnS-containing fertilizer's formulations	<p><b>Chemical product category (PC):</b></p> PC 9b: Fillers, putties, plasters, modelling clay PC 12: Fertilisers PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents <p><b>Environmental release category (ERC):</b></p> ERC 8a: Wide dispersive indoor use of processing aids in open systems ERC 8b: Wide dispersive indoor use of reactive substances in open systems

<b>IU number</b>	<b>Identified Use (IU) name</b>	<b>Use descriptors</b>
		ERC 8d: Wide dispersive outdoor use of processing aids in open systems ERC 8e: Wide dispersive outdoor use of reactive substances in open systems ERC 9b: Wide dispersive outdoor use of substances in closed systems ERC 10b: Wide dispersive outdoor use of long-life articles and materials with high or intended release (including abrasive processing)  <b>Subsequent service life relevant for that use?:</b> yes