2.1. Manufacture

2.2. Identified uses

Table 2.2. Formulation

	Formulation
F-3	**ZnS used in formulations of water-based inorganic preparations** Related composition (see section 1.2): zinc sulphide boundary Further description of the use: Zinc sulphide is used in the formulation of water-based preparations by mixing the starting materials in a water-based matrix, with potentially filtering and packaging Contributing activity/technique for the environment : **- ERC2: Formulation into mixture** Contributing activity/technique for the workers : **- PROC 2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions ; PROC 3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment conditions ; PROC 8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities ; PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing) ; PROC 13: Treatment of articles by dipping and pouring ; PROC 14: Tabletting, compression, extrusion, pelletisation, granulation ; PROC 15: Use as laboratory reagent** **Product Category formulated:** PC 8: Biocidal products (e.g. disinfectants, pest control) ; PC 9a: Coatings and paints, thinners, paint removers ; PC 26: Paper and board treatment products ; PC 34: Textile dyes, and impregnating products ; PC 35: Washing and cleaning products **Technical function of the substance:** biocide ; catalyst ; pigment Substance supplied to that use: as such *Related assessment: use assessed in a joint CSR*

Table 2.3. Article service life

	Article service life
SL-1	**Friction agents** Related composition (see section 1.2): zinc sulphide boundary Further description of the use: Article used by: workers Substance intended to be released from article: no **Article category related to subsequent service life (AC):** AC 0: Other: Contributing activity/technique for the environment: **- ERC10a: Widespread use of articles with low release (outdoor) ; ERC11a: Widespread use of articles with low release (indoor)** Contributing activity/technique for consumers: Contributing activity/technique for the workers: **- PROC 14: Tabletting, compression, extrusion, pelletisation, granulation ; PROC 21: Low energy manipulation of substances bound in materials and/or articles** **Technical function of the substance:** antislip/friction agent
SL-2	**Cathode ray tube** Further description of the use: Article used by: workers Substance intended to be released from article: no **Article category related to subsequent service life (AC):** AC 2: Machinery, mechanical appliances, electrical/electronic articles Contributing activity/technique for the environment: **- ERC10a: Widespread use of articles with low release (outdoor) ; ERC11a: Widespread use of articles with low release (indoor)** Contributing activity/technique for consumers: Contributing activity/technique for the workers: **- PROC 26: Handling of solid inorganic substances at ambient temperature** **Technical function of the substance:** photochemical

SL-3	**Electroluminescent panels** Related composition (see section 1.2): zinc sulphide boundary Further description of the use: Article used by: workers Substance intended to be released from article: **Article category related to subsequent service life (AC):** AC2a: Machinery, mechanical appliances, electrical/electronic articles covered by the Waste Electrical and Electronic Equipment (WEEE) directive Contributing activity/technique for the environment: **- ERC10a: Widespread use of articles with low release (outdoor) ; ERC11a: Widespread use of articles with low release (indoor)** Contributing activity/technique for consumers: Contributing activity/technique for the workers: **- PROC 14: Tabletting, compression, extrusion, pelletisation, granulation ; PROC 21: Low energy manipulation of substances bound in materials and/or articles** **Technical function of the substance:** photochemical
SL-4	**Sealants / Adhesives / Mastics** Related composition (see section 1.2): zinc sulphide boundary Further description of the use: Article used by: workers Substance intended to be released from article: no **Article category related to subsequent service life (AC):** AC 1: Vehicles ; AC 2: Machinery, mechanical appliances, electrical/electronic articles ; AC 7: Metal articles ; AC 11: Wood articles Contributing activity/technique for the environment: **- ERC10a: Widespread use of articles with low release (outdoor) ; ERC11a: Widespread use of articles with low release (indoor)** Contributing activity/technique for consumers: Contributing activity/technique for the workers: **- PROC 10: Roller application or brushing ; PROC 21: Low energy manipulation of substances bound in materials and/or articles** **Technical function of the substance:** adhesion/cohesion promoter ; intermediate ; lubricating agent ; pigment

SL-7	**Optical material** Related composition (see section 1.2): zinc sulphide boundary Further description of the use: Article used by: workers Substance intended to be released from article: no **Article category related to subsequent service life (AC):** AC 2: Machinery, mechanical appliances, electrical/electronic articles Contributing activity/technique for the environment: **- ERC11a: Widespread use of articles with low release (indoor)** Contributing activity/technique for consumers: Contributing activity/technique for the workers: **- PROC 26: Handling of solid inorganic substances at ambient temperature** **Technical function of the substance:** adsorbent ; catalyst ; intermediate ; lubricating agent ; photochemical