2.1. Manufacture

/

2.2. Identified uses

Table 2.2. Formulation

	Formulation
F-1	**Formulation of zinc hydroxide mixtures** Further description of the use: Contributing activity/technique for the environment : **- Direct discharge to water after on-site treatment (ERC2)** **- Discharge via additional off-site sewage treatment plant (ERC2)** Contributing activity/technique for the workers : **- Mixing or blending in batch processes (PROC 5)** **- Transfer of substance or mixture (charging and discharging) at dedicated facilities (PROC 8b)** **- Transfer of substance or mixture into small containers (PROC 9)** **- Use as laboratory reagent (PROC 15)** **Product Category formulated:** PC42: Electrolytes for batteries **Technical function of the substance:** conductive agent registration according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant Tonnage of substance for this use: <=100 Tonnage (tonnes/year) Substance supplied to that use: *Related assessment: use assessed in a joint CSR*

Table 2.3. Uses at industrial sites

	Uses at industrial sites
IW-1	**Industrial use of zinc hydroxide to produce other zinc compounds (intermediate use)** Further description of the use: Contributing activity/technique for the environment : **- Direct discharge to water after on-site treatment (ERC6a)** **- Discharge via additional off-site sewage treatment plant (ERC6a)** Contributing activity/technique for the workers : **- Transfer of substance or mixture (charging and discharging) at dedicated facilities (PROC 8b)** **- Transfer of substance of mixture into small containers (dedicated filling line, including weighing) (PROC 9)** **- Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions – closed wet process (PROC 2)** **- Chemical production where opportunity for exposure arises – open wet process (PROC 4)** **- Manufacturing and processing of minerals and/or metals at substantially elevated temperature - dry process (PROC 22)** **- Use as laboratory reagent (PROC 15)** **Product Category used:** PC 7: Base metals and alloys **Sector of end use:** SU 8: Manufacture of bulk, large scale chemicals (including petroleum products) ; SU 9: Manufacture of fine chemicals **Technical function of the substance:** intermediate registration according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant Tonnage of substance for this use: <=100 Tonnage for this use (tonnes/year) Substance supplied to that use: Subsequent service life relevant for that use: no *Related assessment: use assessed in a joint CSR*
IW-2	**Manufacture of batteries/fuel cells** Further description of the use:

	Contributing activity/technique for the environment : **- Direct discharge to water after on-site treatment (ERC5)** **- Discharge via additional off-site sewage treatment plant (ERC5)** Contributing activity/technique for the workers : **- Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment conditions (PROC 3)** **- Mixing or blending in batch processes (PROC 5)** **- Tabletting, compression, extrusion, pelletisation, granulation (PROC 14)** **- Use as laboratory reagent (PROC 15)** **- Manual activities involving hand contact (PROC 19)** **- Handling of solid inorganic substances at ambient temperature (PROC 26)** **- Manual maintenance (cleaning and repair) of machinery (PROC28)** **- Inclusion of batteries in articles (PROC 21)** **Product Category used:** PC42: Electrolytes for batteries **Sector of end use:** SU 0: Other: **Technical function of the substance:** ion exchange agent registration according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant Tonnage of substance for this use: <=100 Tonnage for this use (tonnes/year) Substance supplied to that use: Subsequent service life relevant for that use: yes Link to the subsequent service life: Article service life of batteries/fuel cells *Related assessment: use assessed in a joint CSR*

Table 2.4. Article service life

	Article service life
SL-1	**Article service life of batteries/fuel cells** Further description of the use: Article used by: consumers

	Substance intended to be released from article: no **Article category related to subsequent service life (AC):** Contributing activity/technique for the environment: **- Article service life of batteries/fuel cells (ERC10a ; ERC11a)** Contributing activity/technique for consumers: **- Article service life of batteries/fuel cells (AC 3)** Contributing activity/technique for the workers: **Technical function of the substance:** ion exchange agent registration according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant Tonnage of substance for this use: <=100 Tonnage (tonnes/year) *Related assessment: use assessed in a joint CSR*