

2. MANUFACTURE AND USES

2.1. Manufacture

Table 2.1. Manufacture

	Manufacture
M-1	<p>Manufacture <u>Further description of manufacturing process:</u> Contributing activity/technique for the environment : - (ERC1) Contributing activity/technique for the workers : - PROC 1 - PROC 2 - PROC 3 - PROC 4 - PROC 5 - PROC 7 - PROC 8a - PROC 8b - PROC 9</p> <p>use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10tonnes/year per registrant Tonnage of substance for that use: tonnes/year <i>Related assessment: use assessed in a joint CSR</i></p>

2.2. Identified uses

Table 2.2. Formulation

	Formulation
F-2	<p>Formulation into mixtures and re-packing <u>Further description of the use:</u> Contributing activity/technique for the environment : - (ERC2) Contributing activity/technique for the workers : - PROC 1 - PROC 2 - PROC 3 - PROC 4 - PROC 5 - PROC 8a - PROC 8b - PROC 9 - PROC 13 - PROC 14 - PROC 19 - PROC 22 - PROC 25 - PROC 26</p> <p>Product Category formulated: PC 7: Base metals and alloys ; PC 9a: Coatings and paints, thinners, paint removes ; PC 14: Metal surface treatment products, including galvanic and electroplating products ; PC 15: Non-metal-surface treatment products ; PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents</p> <p>Technical function of the substance: alloying element ;</p>

	<p>corrosion inhibitor ; density modifier ; hardener ; plating agent ; processing aid ; surface modifier</p> <p>use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10tonnes/year per registrant Tonnage of substance for that use: tonnes/year Substance supplied to that use: as such ; in a mixture <i>Related assessment: use assessed in a joint CSR</i></p>
F-3	<p>Formulation into solid matrices and re-packing <u>Further description of the use:</u> Contributing activity/technique for the environment : - (ERC3)</p> <p>Contributing activity/technique for the workers : - PROC 1 - PROC 2 - PROC 3 - PROC 4 - PROC 5 - PROC 8a - PROC 8b - PROC 9 - PROC 13 - PROC 14 - PROC 19 - PROC 22 - PROC 25 - PROC 26</p> <p>Product Category formulated: PC 7: Base metals and alloys ; PC 9a: Coatings and paints, thinners, paint removes ; PC 14: Metal surface treatment products, including galvanic and electroplating products ; PC 15: Non-metal-surface treatment products ; PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents</p> <p>Technical function of the substance: alloying element ; corrosion inhibitor ; density modifier ; hardener ; plating agent ; processing aid ; surface modifier</p> <p>use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10tonnes/year per registrant Tonnage of substance for that use: tonnes/year Substance supplied to that use: as such ; in a mixture <i>Related assessment: use assessed in a joint CSR</i></p>

Table 2.3. Uses at industrial sites

	Uses at industrial sites
IW-4	<p>Industrial use as additive/auxiliary in in glass fabrication <u>Further description of the use:</u> Contributing activity/technique for the environment : - (ERC5)</p> <p>Contributing activity/technique for the workers :</p>

	<ul style="list-style-type: none"> - PROC 5 - PROC 8a - PROC 8b - PROC 9 - PROC 13 - PROC 14 - PROC 19 - PROC 21 - PROC 22 - PROC 26 <p>Product Category used: PC 9a: Coatings and paints, thinners, paint removes ; PC 15: Non-metal-surface treatment products ; PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents</p> <p>Sector of end use: SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement</p> <p>Technical function of the substance: density modifier ; hardener ; processing aid use registered according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant Tonnage of substance for that use: tonnes/year Substance supplied to that use: as such ; in a mixture <i>Related assessment: use assessed in a joint CSR</i></p>
IW-5	<p>Industrial use as additive/auxillary in metal production inkl. automotive parts <u>Further description of the use:</u> Contributing activity/technique for the environment : - (ERC5) Contributing activity/technique for the workers :</p> <ul style="list-style-type: none"> - PROC 5 - PROC 8a - PROC 8b - PROC 9 - PROC 13 - PROC 19 - PROC 22 - PROC 26 <p>Product Category used: PC 7: Base metals and alloys ; PC 14: Metal surface treatment products, including galvanic and electroplating products ; PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents</p> <p>Sector of end use: SU 14: Manufacture of basic metals, including alloys ; SU 17: General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment</p> <p>Technical function of the substance: alloying element ; corrosion inhibitor ; density modifier ; hardener ; plating agent ; processing aid ; surface modifier use registered according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant Tonnage of substance for that use: tonnes/year Substance supplied to that use: as such ; in a mixture <i>Related assessment: use assessed in a joint CSR</i></p>

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Table 2.4. Uses by professional workers

	Uses by professional workers
PW-6	<p>Professional use as additive/auxiliary in in glass fabrication</p> <p><u>Further description of the use:</u></p> <p>Contributing activity/technique for the environment :</p> <ul style="list-style-type: none"> - ERC8c - ERC8f <p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none"> - PROC 5 - PROC 8a - PROC 8b - PROC 9 - PROC 10 - PROC 13 - PROC 19 - PROC 22 - PROC 26 <p>Product Category used:</p> <p>PC 9a: Coatings and paints, thinners, paint removes ; PC 15: Non-metal-surface treatment products ; PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents</p> <p>Sector of end use:</p> <p>SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement</p> <p>Technical function of the substance:</p> <p>density modifier ; hardener ; processing aid</p> <p>use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10tonnes/year per registrant</p> <p>Tonnage of substance for that use: tonnes/year</p> <p><i>Related assessment: use assessed in a joint CSR</i></p>
PW-7	<p>Professional use as additive/auxillary in metal production inkl. automotive parts</p> <p><u>Further description of the use:</u></p> <p>Contributing activity/technique for the environment :</p> <ul style="list-style-type: none"> - ERC8a - ERC8d <p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none"> - PROC 5 - PROC 8a - PROC 8b - PROC 9 - PROC 13 - PROC 19 - PROC 22 - PROC 26 <p>Product Category used:</p> <p>PC 7: Base metals and alloys ; PC 14: Metal surface treatment products, including galvanic and electroplating products ; PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents</p> <p>Sector of end use:</p> <p>SU 14: Manufacture of basic metals, including alloys ; SU 17: General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment</p> <p>Technical function of the substance:</p> <p>alloying element ; corrosion inhibitor ; density modifier ;</p>

	<p>hardener ; plating agent ; processing aid ; surface modifier</p> <p>use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10tonnes/year per registrant Tonnage of substance for that use: tonnes/year <i>Related assessment: use assessed in a joint CSR</i></p>
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Table 2.5. Consumer uses

	Consumer uses
C-8	<p>Consumer use as additive/auxillary in metal production inkl. automotive parts <u>Further description of the use:</u> Contributing activity/technique for the environment: - ERC8a - ERC8d Contributing activity/technique for consumers: - Product category (PC): - PC 7 - PC 14 - PC 20</p> <p>Technical function of the substance: alloying element ; corrosion inhibitor ; density modifier ; hardener ; plating agent ; processing aid ; surface modifier</p> <p>use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10tonnes/year per registrant Tonnage of substance for that use: tonnes/year <i>Related assessment: use assessed in a joint CSR</i></p>
C-9	<p>Consumer use as additive/auxiliary in in glass fabrication <u>Further description of the use:</u> Contributing activity/technique for the environment: - ERC8c - ERC8f Contributing activity/technique for consumers: - Product category (PC): - PC 9a - PC 15 - PC 20</p> <p>Technical function of the substance: density modifier ; hardener ; processing aid</p> <p>use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10tonnes/year per registrant Tonnage of substance for that use: tonnes/year <i>Related assessment: use assessed in a joint CSR</i></p>

Table 2.6. Article service life

	Article service life
SL-10	Service life industrial use and/or processing of articles containing the bound substance

	<p><u>Further description of the use:</u> Article used by: workers Substance intended to be released from article: no Article category related to subsequent service life (AC): AC1a: Vehicles covered by End of Life Vehicles (ELV) directive ; AC1b: Other vehicles ; AC 4: Stone, plaster, cement, glass and ceramic articles ; AC 7: Metal articles Contributing activity/technique for the environment: - (ERC12c) Contributing activity/technique for consumers: Contributing activity/technique for the workers: - PROC 19 - PROC 21 - PROC 24 Technical function of the substance: alloying element ; corrosion inhibitor ; density modifier ; hardener ; plating agent ; processing aid ; surface modifier use registered according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant Tonnage of substance for that use: tonnes/year <i>Related assessment: use assessed in a joint CSR</i></p>
SL-11	<p>Service life professional use and/or processing of articles containing the bound substance <u>Further description of the use:</u> Article used by: workers Substance intended to be released from article: no Article category related to subsequent service life (AC): AC1a: Vehicles covered by End of Life Vehicles (ELV) directive ; AC1b: Other vehicles ; AC 4: Stone, plaster, cement, glass and ceramic articles ; AC 7: Metal articles Contributing activity/technique for the environment: - ERC10a - ERC11a Contributing activity/technique for consumers: Contributing activity/technique for the workers: - PROC 19 - PROC 21 - PROC 24 Technical function of the substance: alloying element ; corrosion inhibitor ; density modifier ; hardener ; plating agent ; processing aid use registered according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant Tonnage of substance for that use: tonnes/year <i>Related assessment: use assessed in a joint CSR</i></p>
SL-12	<p>Service life consumer use and/or processing of articles containing the bound substance <u>Further description of the use:</u></p>

<p>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: - ERC10a - ERC11a Contributing activity/technique for consumers: - Article Category (AC): - AC1a - AC1b - AC 4 - AC 7 Contributing activity/technique for the workers: Technical function of the substance: alloying element ; corrosion inhibitor ; density modifier ; hardener ; plating agent ; processing aid ; surface modifier use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10tonnes/year per registrant Tonnage of substance for that use: tonnes/year <i>Related assessment: use assessed in a joint CSR</i></p>
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