



2.1. Manufacture

Table 2.2. Manufacture

	Manufacture
M-1	<p>Manufacture in industrial setting</p> <p>Manufactured composition (see section 1.x):</p> <p><u>Further description of manufacturing process:</u></p> <p>Contributing activity/technique for the environment :</p> <ul style="list-style-type: none">- Manufacture in industrial setting (ERC1) <p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none">- Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions. (PROC 1)- Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions (PROC 2)- Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment (PROC 3)- Chemical production where opportunity for exposure arises (PROC 4)- Transfer of substance or mixture (charging and discharging) at non-dedicated facilities (PROC 8a)- Transfer of substance or mixture (charging and discharging) at dedicated facilities (PROC 8b)- Transfer of substance or mixture into small containers (dedicated filling line, including weighing) (PROC 9)- Handling of solid inorganic substances at ambient temperature (PROC 26)- Manual maintenance (cleaning and repair) of machinery (PROC28) <p>use registered according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant</p> <p>Tonnage of substance for that use: <=1000 tonnes/year</p> <p><i>Related assessment: use assessed in an own CSR</i></p>

2.2. Identified uses

Table 2.3. Formulation

	Formulation
F-2	<p>Formulation in industrial settings - mixtures</p> <p>Related composition (see section 1.x):</p>



	<p><u>Further description of the use:</u></p> <p>Contributing activity/technique for the environment :</p> <ul style="list-style-type: none">- Formulation in industrial settings - materials (ERC3) <p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none">- Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions. (PROC 1)- Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions (PROC 2)- Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment (PROC 3)- Chemical production where opportunity for exposure arises (PROC 4)- Mixing or blending in batch processes (PROC 5)- Transfer of substance or mixture (charging and discharging) at non-dedicated facilities (PROC 8a)- Transfer of substance or mixture (charging and discharging) at dedicated facilities (PROC 8b)- Transfer of substance or mixture into small containers (dedicated filling line, including weighing) (PROC 9)- Handling of solid inorganic substances at ambient temperature (PROC 26)- Manual maintenance (cleaning and repair) of machinery (PROC28) <p><u>Product Category formulated:</u></p> <p>PC 1: Adhesives, sealants ; PC 9a: Coatings and paints, thinners, paint removes ; PC 9b: Fillers, putties, plasters, modelling clay ; PC 18: Ink and toners ; PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents ; PC 32: Polymer preparations and compounds ; PC 0: Other:UCN Codes B20300; K35900; R30200</p> <p><u>Technical function of the substance:</u></p> <p>no technical function</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: ≤ 1000 tonnes/year</p> <p>Substance supplied to that use: as such</p> <p><i>Related assessment: use assessed in an own CSR</i></p>
F-1	<p>Formulation in industrial settings - mixtures</p> <p>Related composition (see section 1.x):</p> <p><u>Further description of the use:</u></p> <p>Contributing activity/technique for the environment :</p> <ul style="list-style-type: none">- Formulation in industrial settings - mixtures (ERC2)



	<p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none"> - Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions. (PROC 1) - Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions (PROC 2) - Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment (PROC 3) - Chemical production where opportunity for exposure arises (PROC 4) - Mixing or blending in batch processes (PROC 5) - Transfer of substance or mixture (charging and discharging) at non-dedicated facilities (PROC 8a) - Transfer of substance or mixture (charging and discharging) at dedicated facilities (PROC 8b) - Transfer of substance or mixture into small containers (dedicated filling line, including weighing) (PROC 9) - Handling of solid inorganic substances at ambient temperature (PROC 26) - Manual maintenance (cleaning and repair) of machinery (PROC28) <p><u>Product Category formulated:</u></p> <p>PC 1: Adhesives, sealants ; PC 9a: Coatings and paints, thinners, paint removes ; PC 9b: Fillers, putties, plasters, modelling clay ; PC 18: Ink and toners ; PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents ; PC 32: Polymer preparations and compounds ; PC 0: Other:UCN Codes B20300; K35900; R30200</p> <p><u>Technical function of the substance:</u></p> <p>no technical function</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: <=1000 tonnes/year</p> <p>Substance supplied to that use: as such</p> <p><i>Related assessment: use assessed in an own CSR</i></p>
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Table 2.4. Uses at industrial sites

	Uses at industrial sites
IW-1	<p>Industrial use as an intermediate for synthesis</p> <p>Related composition (see section 1.x):</p> <p><u>Further description of the use:</u></p> <p>Contributing activity/technique for the environment :</p> <ul style="list-style-type: none"> - Industrial use as an intermediate for synthesis (ERC6a)



	<p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none">- Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions. (PROC 1)- Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions (PROC 2)- Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment (PROC 3)- Chemical production where opportunity for exposure arises (PROC 4)- Mixing or blending in batch processes (PROC 5)- Transfer of substance or mixture (charging and discharging) at non-dedicated facilities (PROC 8a)- Transfer of substance or mixture (charging and discharging) at dedicated facilities (PROC 8b)- Transfer of substance or mixture into small containers (dedicated filling line, including weighing) (PROC 9)- Handling of solid inorganic substances at ambient temperature (PROC 26) <p>Sector of end use: SU 8: Manufacture of bulk, large scale chemicals (including petroleum products) ; SU 9: Manufacture of fine chemicals</p> <p>Technical function of the substance: intermediate (precursor)</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: <=1000 tonnes/year</p> <p>Substance supplied to that use: as such</p> <p>Subsequent service life relevant for that use: no</p> <p>Link to the subsequent service life:</p> <p><i>Related assessment: use assessed in an own CSR</i></p>
IW-3	<p>Industrial end use of aluminium tris(dihydrogen phosphate) in coating systems on ceramic materials/binding agent in ceramic and refractory materials/protective coating and oxidation inhibitor</p> <p>Related composition (see section 1.x):</p> <p><u>Further description of the use:</u></p> <p>Contributing activity/technique for the environment :</p> <ul style="list-style-type: none">- Use at industrial site leading to inclusion into/onto article (ERC5) <p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none">- Mixing or blending in batch processes (PROC 5)- Calendering operations (PROC 6)- Industrial spraying (PROC 7)- Transfer of substance or mixture (charging and discharging) at non-dedicated



	<p>facilities (PROC 8a)</p> <ul style="list-style-type: none">- Transfer of substance or mixture (charging and discharging) at dedicated facilities (PROC 8b)- Transfer of substance or mixture into small containers (dedicated filling line, including weighing) (PROC 9)- Roller application or brushing (PROC 10)- Treatment of articles by dipping and pouring (PROC 13)- Manual activities involving hand contact (PROC 19)- Manufacturing and processing of minerals and/or metals at substantially elevated temperature (PROC 22)- Open processing and transfer operations at substantially elevated temperature (PROC 23)- Handling of solid inorganic substances at ambient temperature (PROC 26) <p>Sector of end use: SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement ; SU 19: Building and construction work</p> <p>Technical function of the substance: binder ; corrosion inhibitor ; processing aid</p> <p>Product Category: PC 1: Adhesives, sealants ; PC 9a: Coatings and paints, thinners, paint removes ; PC 9b: Fillers, putties, plasters, modelling clay ; PC 0: Other:UCN Codes B20300; K35900; R30200</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: <=1000 tonnes/year</p> <p>Substance supplied to that use: as such ; in a mixture</p> <p>Subsequent service life relevant for that use: yes</p> <p>Link to the subsequent service life: 54460253-afcb-49e9-8393-14adcdbd16b4b/0 ; 2e6cd6e6-7218-4041-a3cc-24ffea685707/0 ; 6662aac6-a306-4238-aa5a-f017e38db197/0</p> <p><i>Related assessment: use assessed in an own CSR</i></p>
IW-2	<p>Industrial end use of aluminium tris(dihydrogen phosphate) in plastics, resins, paints, coatings and inks. Substance is assessed as a solid (high purity) and as an aqueous solution (in a mixture).</p> <p>Related composition (see section 1.x):</p> <p><u>Further description of the use:</u></p> <p>Contributing activity/technique for the environment :</p> <ul style="list-style-type: none">- Use at industrial site leading to inclusion into/onto article (ERC5) <p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none">- Mixing or blending in batch processes (PROC 5)- Industrial spraying (PROC 7)- Transfer of substance or mixture (charging and discharging) at non-dedicated



	<p>facilities (PROC 8a)</p> <ul style="list-style-type: none"> - Transfer of substance or mixture (charging and discharging) at dedicated facilities (PROC 8b) - Transfer of substance or mixture into small containers (dedicated filling line, including weighing) (PROC 9) - Roller application or brushing (PROC 10) - Treatment of articles by dipping and pouring (PROC 13) - Manual activities involving hand contact (PROC 19) - Handling of solid inorganic substances at ambient temperature (PROC 26) <p>Sector of end use: SU 6a: Manufacture of wood and wood products ; SU 6b: Manufacture of pulp, paper and paper products ; SU 12: Manufacture of plastics products, including compounding and conversion</p> <p>Technical function of the substance: processing aid</p> <p>PC 9a: Coatings and paints, thinners, paint removes ; PC 18: Ink and toners ; PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents ; PC 32: Polymer preparations and compounds</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: <=1000 tonnes/year</p> <p>Substance supplied to that use: as such ; in a mixture</p> <p>Subsequent service life relevant for that use: yes</p> <p>Link to the subsequent service life: fcb20e70-0e03-45d2-a45b-0d947d8a08d1/0 ; 7ec24e94-1fac-4a44-8257-4817ad0de5bb/0 ; 5afe2e92-0093-49f2-9468-d68b016d6041/0</p> <p><i>Related assessment: use assessed in an own CSR</i></p>
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Table 2.5. Uses by professional workers

Uses by professional workers	
PW-1	<p>Professional use as a laboratory reagent</p> <p>Related composition (see section 1.x):</p> <p><u>Further description of the use:</u></p> <p>Contributing activity/technique for the environment :</p> <ul style="list-style-type: none"> - Widespread use of reactive processing aid (no inclusion into or onto article, indoor) (ERC8b) <p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none"> - Use as laboratory reagent (PROC 15) <p>Product Category used: PC 21: Laboratory chemicals</p> <p>Sector of end use: SU 9: Manufacture of fine chemicals ; SU 24: Scientific research and development</p>



	<p>Technical function of the substance: intermediate (precursor) ; processing aid use registered according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant Tonnage of substance for that use: <=1000 tonnes/year Subsequent service life relevant for that use: no Link to the subsequent service life: <i>Related assessment: use assessed in an own CSR</i></p>
PW-2	<p>Professional end use of aluminium tris(dihydrogen phosphate) in coating systems on ceramic materials/binding agent in ceramic and refractory materials/protective coating and oxidation inhibitor</p> <p>Related composition (see section 1.x): <u>Further description of the use:</u> Contributing activity/technique for the environment : - Widespread use leading to inclusion into/onto article (ERC8c ; ERC8f)</p> <p>Contributing activity/technique for the workers : - Mixing or blending in batch processes (PROC 5) - Transfer of substance or mixture (charging and discharging) at non-dedicated facilities (PROC 8a) - Transfer of substance or mixture (charging and discharging) at dedicated facilities (PROC 8b) - Transfer of substance or mixture into small containers (dedicated filling line, including weighing) (PROC 9) - Roller application or brushing (PROC 10) - Non industrial spraying (PROC 11) - Treatment of articles by dipping and pouring (PROC 13) - Manual activities involving hand contact (PROC 19) - Manufacturing and processing of minerals and/or metals at substantially elevated temperature (PROC 22) - Open processing and transfer operations at substantially elevated temperature (PROC 23) - Handling of solid inorganic substances at ambient temperature (PROC 26)</p> <p>Product Category used: PC 1: Adhesives, sealants ; PC 9a: Coatings and paints, thinners, paint removes ; PC 9b: Fillers, putties, plasters, modelling clay ; PC 0: Other:UCN Codes B20300 (other binding agents); K35900 (other construction materials); R30200 (Raw materials for production of glass and ceramics)</p> <p>Sector of end use: SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement ; SU 19: Building and construction work</p> <p>Technical function of the substance: processing aid</p>



	<p>use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant</p> <p>Tonnage of substance for that use: ≤ 1000 tonnes/year</p> <p>Subsequent service life relevant for that use: yes</p> <p>Link to the subsequent service life: 2e6cd6e6-7218-4041-a3cc-24ffea685707/0 ; 6662aac6-a306-4238-aa5a-f017e38db197/0</p> <p><i>Related assessment: use assessed in an own CSR</i></p>
PW-1	<p>Professional end use of aluminium tris(dihydrogen phosphate) in plastics, resins, paints, coatings and inks. Substance is assessed as a solid (high purity) and as an aqueous solution (in a mixture).</p> <p>Related composition (see section 1.x):</p> <p><u>Further description of the use:</u></p> <p>Contributing activity/technique for the environment :</p> <ul style="list-style-type: none">- Widespread use leading to inclusion into/onto article (ERC8c ; ERC8f) <p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none">- Mixing or blending in batch processes (PROC 5)- Transfer of substance or mixture (charging and discharging) at non-dedicated facilities (PROC 8a)- Transfer of substance or mixture (charging and discharging) at dedicated facilities (PROC 8b)- Roller application or brushing (PROC 10)- Non industrial spraying (PROC 11)- Treatment of articles by dipping and pouring (PROC 13)- Manual activities involving hand contact (PROC 19)- Handling of solid inorganic substances at ambient temperature (PROC 26) <p>Product Category used: PC 9a: Coatings and paints, thinners, paint removes ; PC 18: Ink and toners ; PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents</p> <p>Sector of end use: SU 6a: Manufacture of wood and wood products ; SU 6b: Manufacture of pulp, paper and paper products ; SU 12: Manufacture of plastics products, including compounding and conversion</p> <p>Technical function of the substance: processing aid</p> <p>use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant</p> <p>Tonnage of substance for that use: ≤ 1000 tonnes/year</p> <p>Subsequent service life relevant for that use: yes</p> <p>Link to the subsequent service life: 5afe2e92-0093-49f2-9468-d68b016d6041/0 ; fcb20e70-0e03-45d2-a45b-0d947d8a08d1/0</p>



	<i>Related assessment: use assessed in an own CSR</i>
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Table 2.6. Consumer uses

	Consumer uses
C-1	<p>Consumer end use of aluminium tris(dihydrogen phosphate) in plastics, resins, paints, coatings and inks. Substance is assessed as a solid (high purity) and as an aqueous solution (in a mixture).</p> <p>Related composition (see section 1.x):</p> <p><u>Further description of the use:</u></p> <p>Contributing activity/technique for the environment:</p> <ul style="list-style-type: none">- Widespread use leading to inclusion into/onto article (ERC8c ; ERC8f) <p>Contributing activity/technique for consumers:</p> <ul style="list-style-type: none">- Consumer use of adhesives and sealants - Product category (PC): PC 1- Consumer use of coatings and paints, thinners and paint removers - Product category (PC): PC 9a- Consumer use of inks and toners - Product category (PC): PC 18 <p>Technical function of the substance: 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: <=1000 tonnes/year</p> <p>Subsequent service life relevant for that use: yes</p> <p>Link to the subsequent service life: fcb20e70-0e03-45d2-a45b-0d947d8a08d1/0</p> <p><i>Related assessment: use assessed in an own CSR</i></p>

Table 2.7. Article service life

	Article service life
SL-6	<p>Consumer service life of ceramic materials</p> <p>Related composition (see section 1.x):</p> <p><u>Further description of the use:</u></p> <p>Article used by: consumers</p> <p>Substance intended to be released from article: no</p> <p>Article category related to subsequent service life (AC):</p> <p>Contributing activity/technique for the environment:</p> <ul style="list-style-type: none">- Service life of ceramic materials (ERC10a ; ERC11a) <p>Contributing activity/technique for consumers:</p> <ul style="list-style-type: none">- Stone, plaster, cement, glass and ceramic articles - Article Category (AC): AC 4 <p>Contributing activity/technique for the workers:</p>



	<p>Technical function of the substance: binder ; corrosion inhibitor</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: <=1000 tonnes/year</p> <p><i>Related assessment: use assessed in an own CSR</i></p>
SL-4	<p>Industrial service life of ceramic materials</p> <p>Related composition (see section 1.x):</p> <p><u>Further description of the use:</u></p> <p>Article used by: workers</p> <p>Substance intended to be released from article: no</p> <p>Article category related to subsequent service life (AC): AC 4: Stone, plaster, cement, glass and ceramic articles</p> <p>Contributing activity/technique for the environment:</p> <ul style="list-style-type: none">- Processing of articles at industrial sites with low release (ERC12a) <p>Contributing activity/technique for consumers:</p> <p>Contributing activity/technique for the workers:</p> <ul style="list-style-type: none">- Low energy manipulation and handling of substances bound in/on materials or articles (PROC 21) <p>Technical function of the substance: binder ; corrosion inhibitor</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: <=1000 tonnes/year</p> <p><i>Related assessment: use assessed in an own CSR</i></p>
SL-2	<p>Professional service life of plastics, wood and paper products</p> <p>Related composition (see section 1.x):</p> <p><u>Further description of the use:</u></p> <p>Professional uses</p> <p>Article used by: workers</p> <p>Substance intended to be released from article: no</p> <p>Article category related to subsequent service life (AC): AC 8: Paper articles ; AC 11: Wood articles ; AC 13: Plastic articles</p> <p>Contributing activity/technique for the environment:</p> <ul style="list-style-type: none">- Widespread use of articles with low release (ERC10a ; ERC11a) <p>Contributing activity/technique for consumers:</p> <p>Contributing activity/technique for the workers:</p> <ul style="list-style-type: none">- Low energy manipulation and handling of substances bound in/on materials or articles (PROC 21)



	<p>Technical function of the substance: processing aid use registered according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant Tonnage of substance for that use: <=1000 tonnes/year <i>Related assessment: use assessed in an own CSR</i></p>
SL-5	<p>Professional service life of ceramic materials Related composition (see section 1.x): <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): AC 4: Stone, plaster, cement, glass and ceramic articles Contributing activity/technique for the environment: - Widespread use of articles with low release (ERC10a ; ERC11a) Contributing activity/technique for consumers: Contributing activity/technique for the workers: - Low energy manipulation and handling of substances bound in/on materials or articles (PROC 21) Technical function of the substance: binder ; corrosion inhibitor use registered according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant Tonnage of substance for that use: <=1000 tonnes/year <i>Related assessment: use assessed in an own CSR</i></p>
SL-1	<p>Industrial service life of plastics, wood and paper products Related composition (see section 1.x): <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): AC 8: Paper articles ; AC 11: Wood articles ; AC 13: Plastic articles Contributing activity/technique for the environment: - Processing of articles at industrial sites with low release (ERC12a) Contributing activity/technique for consumers: Contributing activity/technique for the workers: - Low energy manipulation and handling of substances bound in/on materials or articles (PROC 21) Technical function of the substance: processing aid</p>



	<p>use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant</p> <p>Tonnage of substance for that use: ≤ 1000 tonnes/year</p> <p><i>Related assessment: use assessed in an own CSR</i></p>
SL-3	<p>Consumer service life of plastics, wood and paper products</p> <p>Related composition (see section 1.x):</p> <p><u>Further description of the use:</u></p> <p>Article used by: consumers</p> <p>Substance intended to be released from article: no</p> <p>Article category related to subsequent service life (AC):</p> <p>Contributing activity/technique for the environment:</p> <ul style="list-style-type: none">- Widespread use of articles with low release (ERC10a ; ERC11a) <p>Contributing activity/technique for consumers:</p> <ul style="list-style-type: none">- Paper articles - Article Category (AC): AC 8- Wood articles - Article Category (AC): AC 11- Plastic articles - Article Category (AC): AC 13 <p>Contributing activity/technique for the workers:</p> <p>Technical function of the substance: processing aid</p> <p>use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant</p> <p>Tonnage of substance for that use: ≤ 1000 tonnes/year</p> <p><i>Related assessment: use assessed in an own CSR</i></p>

