

2.1. Manufacture

Table 2.2. Manufacture

	Manufacture
M-1	<p>Manufacture of MCP</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 of MCP (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 condition (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) <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: ≤ 965 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-1	<p>Use of MCP for formulation (e.g. mixing, blending) of preparations/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"> - Use of MCP for formulation (e.g. mixing, blending) of preparations/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 condition (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) - Tableting, compression, extrusion, pelletisation, granulation (PROC 14) - Use as laboratory reagent (PROC 15) - 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 9a: Coatings and paints, thinners, paint removes ; PC 9b: Fillers, putties, plasters, modelling clay ; PC 12: Fertilisers ; 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; R30200; H1550</p> <p><u>Technical function of the substance:</u></p> <p>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: <=965 tonnes/year</p> <p>Substance supplied to that use: as such ; in a mixture</p> <p><i>Related assessment: use assessed in an own CSR</i></p>
F-2	<p>Formulation of cosmetics products</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>

	<p>- Formulation of cosmetics products (ERC2)</p> <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 condition (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) - Tableting, compression, extrusion, pelletisation, granulation (PROC 14) - Use as a laboratory reagent (PROC 15) - Handling of solid inorganic substances at ambient temperature (PROC 26) <p><u>Product Category formulated:</u></p> <p>PC 39: Cosmetics, personal care products</p> <p><u>Technical function of the substance:</u></p> <p>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: <=965 tonnes/year</p> <p>Substance supplied to that use: as such</p> <p><i>Related assessment: use assessed in an own CSR</i></p>
<p>F-3</p>	<p>Use of MCP for formulation (e.g. mixing, blending) of materials</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 of MCP for formulation (e.g. mixing, blending) of 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)

	<ul style="list-style-type: none"> - 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 condition (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) - Treatment of articles by dipping and pouring (PROC 13) - Tableting, compression, extrusion, pelletisation, granulation (PROC 14) - Manufacturing and processing of minerals and/or metals at substantially elevated temperature (PROC 22) - Handling of solid inorganic substances at ambient temperature (PROC 26) <p><u>Product Category formulated:</u></p> <p>PC 9a: Coatings and paints, thinners, paint removes ; PC 9b: Fillers, putties, plasters, modelling clay ; PC 12: Fertilisers ; 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; R30200; H1550</p> <p><u>Technical function of the substance:</u></p> <p>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: <=965 tonnes/year</p> <p>Substance supplied to that use: as such ; in a mixture</p> <p><i>Related assessment: use assessed in an own CSR</i></p>
--	---

Table 2.4. Uses at industrial sites

	Uses at industrial sites
IW-1	<p>Industrial use as/for additive/pigment/auxiliary in plastics, resins, paints coatings and inks/glass products/ set retarder/accelerator in gypsum and cement/ binding agent in ceramic materials/refractory materials/coating system on ceramic materials</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/for additive/pigment/auxiliary in plastics, resins, paints coatings and inks/glass products/ set retarder/accelerator in gypsum and cement/ binding agent in ceramic materials/refractory materials/coating system on ceramic materials (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 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)- Treatment of articles by dipping and pouring (PROC 13)- Tableting, compression, extrusion, pelletisation, granulation (PROC 14)- Manual activities involving hand contact (PROC 19)- Manufacturing and processing of minerals and/or metals at substantially elevated temperature (PROC 22)- Handling of solid inorganic substances at ambient temperature (PROC 26) <p>Product category used: PC 9a, PC 9b, PC 18, PC 20, PC 32, PC 0 – Other: UCN Codes B20300, R30200, H1550</p> <p>Sector of end use: SU 12: Manufacture of plastics products, including compounding and conversion ; 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 >=10tonnes/year per registrant</p> <p>Tonnage of substance for that use: <=965 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: Use as an additive/pigment/ auxillary in plastics/resins/paints, glass and coating systems in ceramic materials ; Consumer use of products and materials containing the substance including use of paints, varnishes, coatings, printing inks, mastics etc ; Use as an additive/pigment/ auxillary in plastics/resins/paints, glass and coating systems in ceramic materials</p> <p><i>Related assessment: use assessed in an own CSR</i></p>
--

IW-2	<p>Use as an intermediate ; includes use as a raw material for fertiliser 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"> - Use as an intermediate ; includes use as a raw material for fertiliser 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 condition (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) - 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) <p>Product category used: PC 12, PC 20</p> <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: <=965 tonnes/year</p> <p>Substance supplied to that use: as such ; in a mixture</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>
------	---

Table 2.5. Uses by professional workers

	Uses by professional workers
PW-1	<p>Professional use as/for additive/pigment/auxiliary in plastics, resins, paints coatings and inks/glass products/ set retarder/accelerator in gypsum and cement/ binding agent in ceramic materials/refractory materials/coating system on ceramic materials</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"> - Professional use as/for additive/pigment/auxiliary in plastics, resins, paints coatings and inks/glass products/ set retarder/accelerator in gypsum and cement/ binding agent in ceramic materials/refractory materials/coating system on ceramic materials (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) - 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) - Tabletting, compression, extrusion, pelletisation, granulation (PROC 14) - Manual activities involving hand contact (PROC 19) - Low energy manipulation and handling of substances bound in/on materials or articles (PROC 21) - Open processing and transfer operations at substantially elevated temperature (PROC 23) - High (mechanical) energy work-up of substances bound in /on materials and/or articles (PROC 24) - Handling of solid inorganic substances at ambient temperature (PROC 26) <p>Product Category used: 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, R30200, H1550</p> <p>Sector of end use: SU 12: Manufacture of plastics products, including compounding and conversion ; 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>

Version date:

19/08/2016

	<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: ≤ 965 tonnes/year</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>
PW-2	<p>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">- Use as a laboratory reagent (ERC8b) <p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none">- Use as a laboratory reagent (PROC 15) <p>Product Category used: PC 21: Laboratory chemicals</p> <p>Sector of end use: SU 24: Scientific research and development</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: ≤ 965 tonnes/year</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>
PW-3	<p>Use of TCP as a fertiliser: mixing and loading of liquid or solid fertilisers into the equipment and applying with different techniques (spreading, spraying, fertigation etc) for the crop by farmers, growers and contractors</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 of TCP as a fertiliser: mixing and loading of liquid or solid fertilisers into the equipment and applying with different techniques (spreading, spraying, fertigation etc) for the crop by farmers, growers and contractors (ERC8b ; ERC8e) <p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none">- Transfer of substance or mixture into small containers (dedicated filling line, including weighing) (PROC 9)- Non industrial spraying (PROC 11)- Use as a laboratory reagent (PROC 15)- Manual activities involving hand contact (PROC 19)

Version date:

19/08/2016

	<p>- Handling of solid inorganic substances at ambient temperature (PROC 26)</p> <p>Product Category used: PC 12: Fertilisers</p> <p>Sector of end use: SU 1: Agriculture, forestry and fishing</p> <p>Technical function of the substance: fertilisers (soil amendments)</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: <=965 tonnes/year</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>
--	--

Table 2.6. Consumer uses

	Consumer uses
C-1	<p>Use as a fertiliser; mixing and application of solid or liquid fertilisers at home for indoor or outdoor plants</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 as a fertiliser; mixing and application of solid or liquid fertilisers at home for indoor or outdoor plants (ERC8b ; ERC8e) <p>Contributing activity/technique for consumers:</p> <ul style="list-style-type: none">- Fertilisers - Product category (PC): PC 12 <p>Technical function of the substance: fertilisers (soil amendments)</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: <=965 tonnes/year</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>
C-2	<p>End use of cosmetic products</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">- End use of cosmetic products (ERC8a) <p>Contributing activity/technique for consumers:</p> <ul style="list-style-type: none">- End use of consumer products - Product category (PC): PC 39 <p>Technical function of the substance: processing aid</p>

Version date:

19/08/2016

	<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: ≤ 965 tonnes/year</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>
--	--

Table 2.7. Article service life

	Article service life
SL-1	<p>Use as an additive/pigment/ auxillary in plastics/resins/paints, glass and coating systems in 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 ; AC 8: Paper articles ; AC 10: Rubber articles ; AC 13: Plastic articles</p> <p>Contributing activity/technique for the environment:</p> <ul style="list-style-type: none">- Use as an additive/pigment/ auxillary in plastics/resins/paints, glass and coating systems in ceramic materials (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)- 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)- High (mechanical) energy work-up of substances bound in /on materials and/or articles (PROC 24) <p>Technical function of the substance: no technical function</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: ≤ 965 tonnes/year</p> <p><i>Related assessment: use assessed in an own CSR</i></p>
SL-2	<p>Use as an additive/pigment/ auxillary in plastics/resins/paints, glass and coating systems</p>

	<p>in 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"> - Use as an additive/pigment/ auxillary in plastics/resins/paints, glass and coating systems in 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 - Paper articles - Article Category (AC): AC 8 - Rubber articles - Article Category (AC): AC 10 - Plastic articles - Article Category (AC): AC 13 <p>Contributing activity/technique for the workers:</p> <p>Technical function of the substance: 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: <=965 tonnes/year</p> <p><i>Related assessment: use assessed in an own CSR</i></p>
SL-3	<p>Consumer use of products and materials containing the substance including use of paints, varnishes, coatings, printing inks, mastics etc</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"> - Consumer use of products and materials containing the substance including use of paints, varnishes, coatings, printing inks, mastics etc (ERC10a ; ERC11a) <p>Contributing activity/technique for consumers:</p> <ul style="list-style-type: none"> - Rubber articles - Article Category (AC): AC 10 - Plastic articles - Article Category (AC): AC 13 - Constructional articles and building materials for indoor use, ceramic, metal, plastic and wood wall construction materials - Article Category (AC): AC 0 <p>Contributing activity/technique for the workers:</p> <p>Technical function of the substance: no technical function</p> <p>use registered according to REACH Article 10; total tonnage manufactured/imported</p>

Version date:

19/08/2016

	<p>>=10tonnes/year per registrant</p> <p>Tonnage of substance for that use: <=965 tonnes/year</p> <p><i>Related assessment: use assessed in an own CSR</i></p>
--	--
