

2.1. Manufacture

Table 2.1. Manufacture

	Manufacture
M-1	<p>Manufacture of DCP</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"> - (ERC1) <p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none"> - (PROC 1) - (PROC 2) - (PROC 3) - (PROC 4) - (PROC 8a) - (PROC 8b) - (PROC 9) <p><i>Related assessment: use assessed in a joint CSR</i></p>

2.2. Identified uses

Table 2.2. Formulation

	Formulation
F-4	<p>Use of DCP 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"> - (ERC3) <p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none"> - (PROC 1) - (PROC 2) - (PROC 3) - (PROC 4) - (PROC 5) - (PROC 7) - (PROC 8a) - (PROC 8b)

	<ul style="list-style-type: none">- (PROC 9)- (PROC 13)- (PROC 14)- (PROC 19) <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 12: Fertilisers ; PC 18: Ink and toners ; PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents ; PC 24: Lubricants, greases, release products ; PC 29: Pharmaceuticals ; PC 32: Polymer preparations and compounds ; PC 0: Other:UCN-Code H 15500, R 30200</p> <p><u>Technical function of the substance:</u></p> <p>processing aid</p> <p>Substance supplied to that use: as such ; in a mixture</p> <p><i>Related assessment: use assessed in a joint CSR</i></p>
F-3	<p>Manufacture 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">- (ERC2) <p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none">- (PROC 1)- (PROC 2)- (PROC 3)- (PROC 4)- (PROC 5)- (PROC 8a)- (PROC 8b)- (PROC 9)- (PROC 14)- (PROC 15)- (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>Tonnage of substance for that use: tonnes/year</p> <p>Substance supplied to that use: as such ; in a mixture</p>

	<i>Related assessment: use assessed in a joint CSR</i>
F-2	<p>Use of DCP for formulation (e.g. mixing/blending) of 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"> - (ERC2) <p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none"> - (PROC 1) - (PROC 2) - (PROC 3) - (PROC 4) - (PROC 5) - (PROC 8a) - (PROC 8b) - (PROC 9) - (PROC 14) - (PROC 19) <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 12: Fertilisers ; PC 18: Ink and toners ; PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents ; PC 24: Lubricants, greases, release products ; PC 29: Pharmaceuticals ; PC 0:</p> <p>Other:UCN-Code H 15500, R 30200</p> <p><u>Technical function of the substance:</u></p> <p>processing aid</p> <p>Substance supplied to that use: as such ; in a mixture</p> <p><i>Related assessment: use assessed in a joint CSR</i></p>

Table 2.3. Uses at industrial sites

	Uses at industrial sites
IW-8	<p>Use as/for - food/feed additive - cosmetics - pharmaceuticals</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"> - (ERC4) <p>Contributing activity/technique for the workers :</p>

Version Date:

19/08/2016

	<ul style="list-style-type: none">- (PROC 1)- (PROC 2)- (PROC 3)- (PROC 4)- (PROC 5)- (PROC 6)- (PROC 8a)- (PROC 8b)- (PROC 9)- (PROC 14)- (PROC 19)- (PROC 26) <p>Product category used: PC 29, PC0 – other (food and feed additives)</p> <p>Sector of end use: SU 4: Manufacture of food products ; SU 20: Health services</p> <p>Technical function of the substance: processing aid</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 a joint CSR</i></p>
IW-5	<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">- (ERC6a) <p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none">- (PROC 1)- (PROC 2)- (PROC 3)- (PROC 4)- (PROC 5)- (PROC 8a)- (PROC 8b)- (PROC 9)- (PROC 19)- (PROC 26)- (PROC 0) <p>Product category used: PC 12, PC 20</p> <p>Sector of end use: SU 8: Manufacture of bulk, large scale chemicals (including petroleum</p>

Version Date:

19/08/2016

	<p>products) ; SU 9: Manufacture of fine chemicals</p> <p>Technical function of the substance: intermediate (precursor)</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 a joint CSR</i></p>
IW-6	<p>Use as additive/pigment/auxiliary in plastics/resins/paints</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">- (ERC5) <p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none">- (PROC 5)- (PROC 7)- (PROC 8a)- (PROC 8b)- (PROC 9)- (PROC 10)- (PROC 13)- (PROC 19)- (PROC 22)- (PROC 23)- (PROC 26) <p>Product category used: PC 1, PC 9a, PC 9b, PC 20, PC 32</p> <p>Sector of end use: SU 12: Manufacture of plastics products, including compounding and conversion</p> <p>Technical function of the substance: processing aid</p> <p>Tonnage of substance for that use: 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:</p> <p><i>Related assessment: use assessed in a joint CSR</i></p>
IW-7	<p>Use as - raw material for glass, - coating systems on ceramic materials (glazes, coatings, oxidation protection etc.); - hardener for water glass - application of coatings inks and intermediates for building chemicals -abrasive cleaning media</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"> - (ERC5) <p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none"> - (PROC 5) - (PROC 6) - (PROC 7) - (PROC 8a) - (PROC 8b) - (PROC 9) - (PROC 10) - (PROC 13) - (PROC 14) - (PROC 19) - (PROC 22) - (PROC 23) - (PROC 26) <p>Product category used: PC 1, PC 9a, PC 9b, PC 18, PC 20, PC 24, PC 0: Other - UCN Code H 15500, R 30200</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>Tonnage of substance for that use: 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:</p> <p><i>Related assessment: use assessed in a joint CSR</i></p>
--	---

Table 2.4. Uses by professional workers

	Uses by professional workers
PW-10	<p>Use as an additive/pigment/auxiliary in plastics/resins/paints (indoor & outdoor) - includes use in anticorrosive paints</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

	<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) - 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 1: Adhesives, sealants ; PC 9a: Coatings and paints, thinners, paint removes ; PC 9b: Fillers, putties, plasters, modelling clay ; PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents ; PC 32: Polymer preparations and compounds</p> <p>Sector of end use: SU 12: Manufacture of plastics products, including compounding and conversion</p> <p>Technical function of the substance: corrosion inhibitor ; filler ; pigment ; processing aid</p> <p>Tonnage of substance for that use: tonnes/year</p> <p>Subsequent service life relevant for that use: yes</p> <p>Link to the subsequent service life:</p> <p><i>Related assessment: use assessed in a joint CSR</i></p>
PW-11	<p>Use as - raw material for glass, - coating systems on ceramic materials (glazes, coatings, oxidation protection etc.); - hardener for water glass - application of coatings inks and intermediates for building chemicals -abrasive cleaning media</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"> - (ERC8c) - (ERC8f) <p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none"> - (PROC 5) - (PROC 6) - (PROC 8a) - (PROC 8b) - (PROC 9) - (PROC 10) - (PROC 11) - (PROC 13)

	<ul style="list-style-type: none"> - (PROC 14) - (PROC 19) - (PROC 24) - (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 24: Lubricants, greases, release products ; PC 0: Other:UCN-Code H 15500, R 30200</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>Tonnage of substance for that use: tonnes/year</p> <p>Subsequent service life relevant for that use: yes</p> <p>Link to the subsequent service life:</p> <p><i>Related assessment: use assessed in a joint CSR</i></p>
PW-12	<p>Use of DCP 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"> - (ERC8b) - (ERC8e) <p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none"> - (PROC 5) - (PROC 8a) - (PROC 8b) - (PROC 9) - (PROC 11) - (PROC 19) - (PROC 26) <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) ; processing aid</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 a joint CSR</i></p>

PW-9	<p>Use of DCP as laboratory chemical</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"> - (ERC8b) <p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none"> - (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>Subsequent service life relevant for that use: no</p> <p>Link to the subsequent service life:</p> <p><i>Related assessment: use assessed in a joint CSR</i></p>
------	--

Table 2.5. Consumer uses

	Consumer uses
C-13	<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"> - (ERC8b) - (ERC8e) <p>Contributing activity/technique for consumers:</p> <ul style="list-style-type: none"> -- Product category (PC): PC 12 -- Product category (PC): PC 0 <p>Technical function of the substance: fertilisers (soil amendments)</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 a joint CSR</i></p>
C-14	<p>Consumer use as application of coatings and inks - includes application of anti-corrosive paints</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>

Version Date:

19/08/2016

	<ul style="list-style-type: none">- Adhesives, sealants - Product category (PC): PC 1- Coatings and paints, thinners, paint removers - Product category (PC): PC 9a- Fillers, putties, plasters, modelling clay - Product category (PC): PC 9b- Ink and toners - Product category (PC): PC 18 Technical function of the substance: corrosion inhibitor ; filler ; pigment ; processing aid Tonnage of substance for that use: tonnes/year Subsequent service life relevant for that use: yes Link to the subsequent service life:
C-15	End use of cosmetic products Related composition (see section 1.x): <u>Further description of the use:</u> Contributing activity/technique for the environment: <ul style="list-style-type: none">- (ERC8a) Contributing activity/technique for consumers: <ul style="list-style-type: none">- - Product category (PC): PC 39 Technical function of the substance: processing aid Subsequent service life relevant for that use: no Link to the subsequent service life: <i>Related assessment: use assessed in a joint CSR</i>

Table 2.6. Article service life

	Article service life
SL-3	Removal of coated articles, removal of paint, blasting Related composition (see section 1.x): <u>Further description of the use:</u> Article used by: workers ; consumers 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: <ul style="list-style-type: none">- Processing of articles at industrial sites with low release (ERC12a) Contributing activity/technique for consumers: Contributing activity/technique for the workers: <ul style="list-style-type: none">- Low energy manipulation and handling of substances bound in/on materials or articles (PROC 21)- Open processing and transfer operations at substantially elevated temperature

	<p>(PROC 23)</p> <p>- High (mechanical) energy work-up of substances bound in /on materials and/or articles (PROC 24)</p> <p>Technical function of the substance:</p> <p>Tonnage of substance for that use: tonnes/year</p>
SL-2	<p>Use as additive/pigment/auxiliary in plastics/resins/paints (indoor & outdoor)</p> <p>Related composition (see section 1.x):</p> <p><u>Further description of the use:</u></p> <p>Article used by: workers ; 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> <p>- Widespread use of articles with low release (ERC10a ; ERC11a)</p> <p>Contributing activity/technique for consumers:</p> <p>- Stone, plaster, cement, glass and ceramic articles - Article Category (AC): AC 4</p> <p>Contributing activity/technique for the workers:</p> <p>- Low energy manipulation and handling of substances bound in/on materials or articles (PROC 21)</p> <p>- High (mechanical) energy work-up of substances bound in /on materials and/or articles (PROC 24)</p> <p>- Other hot work operations with metals (PROC 25)</p> <p>Technical function of the substance:</p> <p>Tonnage of substance for that use: tonnes/year</p>
SL-1	<p>Use as - raw material for glass, - coating systems on ceramic materials (glazes, coatings, oxidation protection etc.); - hardener for water glass - application of coatings inks and intermediates for building chemicals -abrasive cleaning media</p> <p>Related composition (see section 1.x):</p> <p><u>Further description of the use:</u></p> <p>Article used by: workers ; consumers</p> <p>Substance intended to be released from article:</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> <p>- (ERC10a)</p> <p>- (ERC11a)</p> <p>Contributing activity/technique for consumers:</p> <p>- - Article Category (AC): AC 4</p>

Version Date:

19/08/2016

	<p>Contributing activity/technique for the workers:</p> <ul style="list-style-type: none">- (PROC 14)- (PROC 24)- (PROC 25) <p>Technical function of the substance: processing aid</p> <p><i>Related assessment: use assessed in a joint CSR</i></p>
SL-4	<p>Removal of coated articles, removal of paint, blasting</p> <p>Related composition (see section 1.x):</p> <p><u>Further description of the use:</u></p> <p>Article used by: workers ; consumers</p> <p>Substance intended to be released from article: no</p> <p>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</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)- 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:</p> <p>Tonnage of substance for that use: tonnes/year</p>
