

2. MANUFACTURE AND USES

2.1. Manufacture

Table 2.1. Manufacture

	Manufacture
M-1	<p>Manufacture of the substance <u>Further description of manufacturing process:</u> Contributing activity/technique for the environment : - Manufacture of the substance Contributing activity/technique for the workers : - PROC 1 - PROC 2 - PROC 3 - PROC 4 - PROC 5 - PROC 8a - PROC 8b - PROC 9</p> <p>use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10tonnes/year per registrant <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 14 - PROC 15 - PROC 17 - PROC 18 - PROC 19 - PROC 26 - PROC28</p> <p>Product Category formulated: - PC 9a: Coatings and paints, thinners, paint removes - PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents - PC 21: Laboratory chemicals - PC 24: Lubricants, greases, release products - PC 35: Washing and cleaning products (including solvent based products) - PC 39: Cosmetics, personal care products</p> <p>Technical function of the substance: - abrasive</p>

	<ul style="list-style-type: none"> - dispersing agent - pH regulating agent - processing aid <p>use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10tonnes/year per registrant 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) Contributing activity/technique for the workers : - PROC 1 - PROC 2 - PROC 3 - PROC 4 - PROC 5 - PROC 8a - PROC 8b - PROC 9 - PROC 14 - PROC 15 - PROC 17 - PROC 18 - PROC 19 - PROC 26</p> <p>Product Category formulated: - PC 9a: Coatings and paints, thinners, paint removes - PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents - PC 21: Laboratory chemicals - PC 24: Lubricants, greases, release products - PC 35: Washing and cleaning products (including solvent based products) - PC 39: Cosmetics, personal care products</p> <p>Technical function of the substance: - abrasive - dispersing agent - pH regulating agent - processing aid use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10tonnes/year per registrant 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 non-metallic products <u>Further description of the use:</u> Contributing activity/technique for the environment : - (ERC5) Contributing activity/technique for the workers : - PROC 5 - PROC 7 - PROC 8a - PROC 8b - PROC 9</p>

	<ul style="list-style-type: none"> - PROC 10 - PROC 13 - PROC 15 - PROC 17 - PROC 18 - PROC 19 - PROC 22 - PROC 23 - PROC 26 <p>Product Category used:</p> <ul style="list-style-type: none"> - PC 9a: Coatings and paints, thinners, paint removes - PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents - PC 21: Laboratory chemicals - PC 35: Washing and cleaning products (including solvent based products) <p>Sector of end use:</p> <ul style="list-style-type: none"> - SU 12: Manufacture of plastics products, including compounding and conversion <p>use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10tonnes/year per registrant Substance supplied to that use: as such ; in a mixture Subsequent service life relevant for that use: yes Link to the subsequent service life: Service life industrial use and/or processing of articles containing the bound substance <i>Related assessment: use assessed in a joint CSR</i></p>
IW-5	<p>Industrial use as functional fluid</p> <p><u>Further description of the use:</u></p> <p>Contributing activity/technique for the environment :</p> <ul style="list-style-type: none"> - (ERC7) <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 15 - PROC 17 - PROC 18 - PROC 19 <p>Product Category used:</p> <ul style="list-style-type: none"> - PC 24: Lubricants, greases, release products <p>Technical function of the substance: lubricating agent use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10tonnes/year per registrant Substance supplied to that use: in a mixture Subsequent service life relevant for that use: yes Link to the subsequent service life: Service life industrial use and/or processing of articles containing the bound substance <i>Related assessment: use assessed in a joint CSR</i></p>
IW-6	<p>Industrial use as non-reactive processing aid, including cosmetics</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> <ul style="list-style-type: none"> - PROC 5 - PROC 8a

	<ul style="list-style-type: none"> - PROC 8b - PROC 9 - PROC 14 - PROC 19 - PROC 26 <p>Product Category used:</p> <ul style="list-style-type: none"> - PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents - PC 21: Laboratory chemicals - PC 35: Washing and cleaning products (including solvent based products) - PC 39: Cosmetics, personal care products <p>Sector of end use: SU 20: Health services</p> <p>Technical function of the substance:</p> <ul style="list-style-type: none"> - abrasive - processing aid <p>use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10tonnes/year per registrant Substance supplied to that use: as such ; in a mixture Subsequent service life relevant for that use: yes Link to the subsequent service life: Service life industrial use and/or processing of articles containing the bound substance <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-7	<p>Professional use as non-reactive processing aid, including cosmetics</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 7 - PROC 8a - PROC 8b - PROC 9 - PROC 10 - PROC 15 - PROC 18 - PROC 19 <p>Product Category used: PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents ; PC 21: Laboratory chemicals ; PC 35: Washing and cleaning products (including solvent based products) ; PC 39: Cosmetics, personal care products</p> <p>Technical function of the substance: abrasive ; dispersing agent ; processing aid</p> <p>use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10tonnes/year per registrant Subsequent service life relevant for that use: yes Link to the subsequent service life: Service life professional use and/or processing of articles containing the bound substance <i>Related assessment: use assessed in a joint CSR</i></p>
PW-8	<p>Professional use as an additive/auxiliary in in non-metallic products (indoor & outdoor)</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 7 - PROC 8a - PROC 8b

	<ul style="list-style-type: none"> - PROC 9 - PROC 10 - PROC 11 - PROC 13 - PROC 14 - PROC 15 - PROC 18 - PROC 19 - PROC 24 - PROC 26 <p>Product Category used:</p> <ul style="list-style-type: none"> - PC 9a: Coatings and paints, thinners, paint removes - PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents - PC 21: Laboratory chemicals - PC 35: Washing and cleaning products (including solvent based products) <p>Technical function of the substance:</p> <ul style="list-style-type: none"> - pH regulating agent - processing aid <p>use registered according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant Subsequent service life relevant for that use: yes Link to the subsequent service life: Service life professional use and/or processing of articles containing the bound substance <i>Related assessment: use assessed in a joint CSR</i></p>
PW-9	<p>Professional use as reactive processing aid, including laboratory chemicals</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 7 - PROC 8a - PROC 8b - PROC 9 - PROC 10 - PROC 11 - PROC 15 - PROC 18 - PROC 19 - PROC 26 <p>Product Category used:</p> <ul style="list-style-type: none"> - PC 9a: Coatings and paints, thinners, paint removes - PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents - PC 21: Laboratory chemicals - PC 35: Washing and cleaning products (including solvent based products) <p>Sector of end use: SU 24: Scientific research and development</p> <p>Technical function of the substance: pH regulating agent ; processing aid</p> <p>use registered according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant Subsequent service life relevant for that use: yes Link to the subsequent service life: Service life professional use and/or processing of articles containing the bound substance</p>
PW-10	<p>Professional use as functional fluid</p> <p><u>Further description of the use:</u></p> <p>Contributing activity/technique for the environment :</p>

	<p>- (ERC9a ; ERC9b)</p> <p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none"> - PROC 8a - PROC 8b - PROC 9 - PROC 10 - PROC 15 - PROC 17 - PROC 18 - PROC 19 - PROC 26 <p>Product Category used:</p> <p>- PC 24: Lubricants, greases, release products</p> <p>Technical function of the substance: lubricating agent use registered according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant Subsequent service life relevant for that use: yes Link to the subsequent service life: Service life professional use and/or processing of articles containing the bound substance <i>Related assessment: use assessed in a joint CSR</i></p>
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Table 2.5. Consumer uses

	Consumer uses
C-11	<p>Consumer use as non-reactive processing aid, including cosmetics</p> <p><u>Further description of the use:</u> Contributing activity/technique for the environment: - (ERC8a ; ERC8d)</p> <p>Contributing activity/technique for consumers: - Product category (PC): - PC 35 - PC 39</p> <p>Technical function of the substance: abrasive use registered according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant Subsequent service life relevant for that use: yes Link to the subsequent service life: Service life consumer use and/or processing of articles containing the bound substance <i>Related assessment: use assessed in a joint CSR</i></p>
C-12	<p>Consumer use as coatings and paints, thinners, paint removers</p> <p><u>Further description of the use:</u> Contributing activity/technique for the environment: - (ERC8c ; ERC8f)</p> <p>Contributing activity/technique for consumers: - Product category (PC): - PC 9a</p> <p>use registered according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant Subsequent service life relevant for that use: yes Link to the subsequent service life: Service life consumer use and/or processing of articles containing the bound substance <i>Related assessment: use assessed in a joint CSR</i></p>
C-13	<p>Consumer use as reactive processing aid, including laboratory chemicals</p> <p><u>Further description of the use:</u> Contributing activity/technique for the environment: - (ERC8b ; ERC8e)</p> <p>Contributing activity/technique for consumers:</p>

	<p>- Product category (PC): - PC 9a - PC 20 - PC 21</p> <p>Technical function of the substance: dispersing agent ; pH regulating agent use registered according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant Subsequent service life relevant for that use: yes Link to the subsequent service life: Service life consumer use and/or processing of articles containing the bound substance <i>Related assessment: use assessed in a joint CSR</i></p>
C-14	<p>Consumer use as functional fluid <u>Further description of the use:</u> Contributing activity/technique for the environment: - (ERC9a ; ERC9b) Contributing activity/technique for consumers: - Product category (PC): - PC 24</p> <p>Technical function of the substance: lubricating agent use registered according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant Subsequent service life relevant for that use: yes Link to the subsequent service life: Service life consumer use and/or processing of articles containing the bound substance <i>Related assessment: use assessed in a joint CSR</i></p>

Table 2.6. Article service life

	Article service life
SL-15	<p>Service life industrial 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: Article category related to subsequent service life (AC): AC1a: Vehicles covered by End of Life Vehicles (ELV) directive ; AC1b: Other vehicles ; AC 2: Machinery, mechanical appliances, electrical/electronic articles Contributing activity/technique for the environment: - (ERC12a ; ERC12b) Contributing activity/technique for consumers: Contributing activity/technique for the workers: use registered according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant <i>Related assessment: use assessed in a joint CSR</i></p>
SL-16	<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: Article category related to subsequent service life (AC): - AC1a: Vehicles covered by End of Life Vehicles (ELV) directive - AC1b: Other vehicles - AC 2: Machinery, mechanical appliances, electrical/electronic articles Contributing activity/technique for the environment: - (ERC10b ; ERC11b) Contributing activity/technique for consumers: Contributing activity/technique for the workers: use registered according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant</p>

	<i>Related assessment: use assessed in a joint CSR</i>
SL-17	<p>Service life consumer use and/or processing of articles containing the bound substance</p> <p><u>Further description of the use:</u> Article used by: consumers Substance intended to be released from article:</p> <p>Article category related to subsequent service life (AC): Contributing activity/technique for the environment: - (ERC10a ; ERC11a)</p> <p>Contributing activity/technique for consumers: - Article Category (AC): - AC1a - AC1b - AC 2</p> <p>Contributing activity/technique for the workers: use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10tonnes/year per registrant</p>