

V24/3/16 Identified uses IP 41 Aluminium dihydrogen triphosphate EC 237-714-9

2.1. Manufacture

Table 1. Manufacture

Identifiers	Use descriptors	Other information
M-1: Manufacture of the substance	<p>Environmental release category (ERC):</p> <p>ERC 1: Manufacture of substances</p> <p>Process category (PROC):</p> <p>PROC 1: Use in closed process, no likelihood of exposure</p> <p>PROC 2: Use in closed, continuous process with occasional controlled exposure</p> <p>PROC 3: Use in closed batch process (synthesis or formulation)</p> <p>PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises</p> <p>PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)</p> <p>PROC 7: Industrial spraying</p> <p>PROC 8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities</p> <p>PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities</p> <p>PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation</p> <p>PROC 15: Use as laboratory reagent</p> <p>PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting</p> <p>PROC 23: Open processing and transfer operations with minerals/metals at elevated temperature</p> <p>PROC 26: Handling of solid inorganic substances at ambient temperature</p> <p>PROC 0: Other: PROC 28: Manual maintenance (cleaning and repair) of machinery</p>	Number of sites: 1-10

2.2. Identified uses

Table 2. Formulation

Identifiers	Use descriptors	Other information
F-1: Formulation into mixtures and re-packing	<p>Environmental release category (ERC):</p> <p>ERC 2: Formulation of preparations</p> <p>Process category (PROC):</p> <p>PROC 1: Use in closed process, no likelihood of exposure</p> <p>PROC 2: Use in closed, continuous process with occasional controlled exposure</p> <p>PROC 3: Use in closed batch process (synthesis or formulation)</p> <p>PROC 4: Use in batch and other process (synthesis)</p>	<p>Substance supplied to that use:</p> <p>As such</p> <p>In a mixture</p>

Identifiers	Use descriptors	Other information
	<p>where opportunity for exposure arises</p> <p>PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)</p> <p>PROC 8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities</p> <p>PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities</p> <p>PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)</p> <p>PROC 15: Use as laboratory reagent</p> <p>PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p>PROC 26: Handling of solid inorganic substances at ambient temperature</p> <p>PROC 0: Other: PROC 28: Manual maintenance (cleaning and repair) of machinery</p> <p>Product Category formulated:</p> <p>PC 9a: Coatings and paints, thinners, paint removes</p> <p>PC 9b: Fillers, putties, plasters, modelling clay</p> <p>PC 14: Metal surface treatment products, including galvanic and electroplating products</p> <p>PC 15: Non-metal-surface treatment products</p> <p>PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents</p> <p>PC 21: Laboratory chemicals</p> <p>PC 32: Polymer preparations and compounds</p> <p>PC 0: Other: UCN codes: B 20300, H 15500, R 30200</p> <p>PC 1: Adhesives, sealants</p> <p>Technical function of the substance during formulation:</p> <p>Binding agents</p> <p>Colouring agents, pigments</p> <p>Corrosion inhibitors and anti-scaling agents</p> <p>Intermediates</p> <p>Laboratory chemicals</p> <p>pH-regulating agents</p> <p>Processing aid, not otherwise listed</p> <p>Viscosity adjustors</p> <p>Gelling modifier, Hardener, Ion exchange agent</p>	
F-2: Formulation into solid matrices and re-packing	<p>Environmental release category (ERC):</p> <p>ERC 3: Formulation in materials</p> <p>Process category (PROC):</p> <p>PROC 1: Use in closed process, no likelihood of exposure</p> <p>PROC 2: Use in closed, continuous process with occasional controlled exposure</p> <p>PROC 3: Use in closed batch process (synthesis or formulation)</p> <p>PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises</p>	<p>Substance supplied to that use:</p> <p>As such</p> <p>In a mixture</p>

Identifiers	Use descriptors	Other information
	<p>PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)</p> <p>PROC 8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities</p> <p>PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities</p> <p>PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)</p> <p>PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation</p> <p>PROC 15: Use as laboratory reagent</p> <p>PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p>PROC 26: Handling of solid inorganic substances at ambient temperature</p> <p>PROC 0: Other: PROC 28: Manual maintenance (cleaning and repair) of machinery</p> <p>Product Category formulated:</p> <p>PC 9a: Coatings and paints, thinners, paint removes</p> <p>PC 9b: Fillers, putties, plasters, modelling clay</p> <p>PC 14: Metal surface treatment products, including galvanic and electroplating products</p> <p>PC 15: Non-metal-surface treatment products</p> <p>PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents</p> <p>PC 21: Laboratory chemicals</p> <p>PC 32: Polymer preparations and compounds</p> <p>PC 0: Other: UCN codes: B 20300, H 15500, R 30200</p> <p>PC 1: Adhesives, sealants</p> <p>Technical function of the substance during formulation:</p> <p>Binding agents</p> <p>Colouring agents, pigments</p> <p>Corrosion inhibitors and anti-scaling agents</p> <p>Intermediates</p> <p>Laboratory chemicals</p> <p>pH-regulating agents</p> <p>Processing aid, not otherwise listed</p> <p>Viscosity adjustors</p> <p>Gelling modifier, Hardener, Ion exchange agent</p>	

Table 3. Uses at industrial sites

Identifiers	Use descriptors	Other information
IW-3: Industrial use of surface treatment products and compounds including processing aids in the manufacture of metallic and non-metallic mineral	<p>Environmental release category (ERC):</p> <p>ERC 5: Industrial use resulting in inclusion into or onto a matrix</p> <p>Process category (PROC):</p> <p>PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)</p>	<p>Substance supplied to that use:</p> <p>As such</p> <p>In a mixture</p> <p>Subsequent service life relevant for that use: yes</p> <p>Link to the subsequent service life:</p>

Identifiers	Use descriptors	Other information
<p>products, including building and construction work materials and ceramics</p>	<p>PROC 6: Calendering operations PROC 7: Industrial spraying PROC 8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing) PROC 10: Roller application or brushing PROC 13: Treatment of articles by dipping and pouring PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting PROC 23: Open processing and transfer operations with minerals/metals at elevated temperature PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles PROC 26: Handling of solid inorganic substances at ambient temperature PROC 0: Other: PROC 28: Manual maintenance (cleaning and repair) of machinery PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p>Product Category used:</p> <p>PC 9a: Coatings and paints, thinners, paint removes PC 9b: Fillers, putties, plasters, modelling clay 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 PC 0: Other: UCN codes: B 20300, H 15500, R 30200 PC 1: Adhesives, sealants</p> <p>Sector of end use:</p> <p>SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement SU 15: Manufacture of fabricated metal products, except machinery and equipment SU 19: Building and construction work</p> <p>Technical function of the substance during formulation:</p> <p>Binding agents Colouring agents, pigments Corrosion inhibitors and anti-scaling agents Laboratory chemicals pH-regulating agents Processing aid, not otherwise listed Viscosity adjustors Gelling modifier, Hardener, Ion exchange agent</p>	<p>A-1: Service life industrial use and/or processing of surface treated metal articles (including assembled articles) such as construction and building materials, vehicles and machinery A-2: Service life industrial use and/or processing of surface treated non-metallic mineral products and non-metallic (e.g. wood) articles containing the bound substance (including assembled articles) such as construction and building materials and ceramics A-4: Service life professional use and/or processing of surface treated metal articles (including assembled articles) such as construction and building materials, vehicles and machinery A-5: Service life professional use and/or processing of surface treated non-metallic mineral products and non-metallic (e.g. wood) articles containing the bound substance (including assembled articles) such as construction and building materials and ceramics A-7: Service life consumer use of surface treated metal articles (including assembled articles) such as construction and building materials, vehicles and machinery A-8: Service life consumer use of surface treated non-metallic mineral products and non-metallic (e.g. wood) articles containing the bound substance (including assembled articles) such as construction and building materials and ceramics</p>

Identifiers	Use descriptors	Other information
<p>IW-4: Industrial use of intermediates and use of laboratory reagents in industrial settings (e.g. for quality control)</p>	<p>Environmental release category (ERC):</p> <p>ERC 6a: Industrial use resulting in manufacture of another substance (use of intermediates)</p> <p>Process category (PROC):</p> <p>PROC 1: Use in closed process, no likelihood of exposure PROC 2: Use in closed, continuous process with occasional controlled exposure PROC 3: Use in closed batch process (synthesis or formulation) PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) PROC 8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing) PROC 15: Use as laboratory reagent PROC 19: Hand-mixing with intimate contact and only PPE available. PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting PROC 23: Open processing and transfer operations with minerals/metals at elevated temperature PROC 26: Handling of solid inorganic substances at ambient temperature PROC 0: Other: PROC 28: Manual maintenance (cleaning and repair) of machinery</p> <p>Product Category used:</p> <p>PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents PC 21: Laboratory chemicals</p> <p>Sector of end use:</p> <p>SU 8: Manufacture of bulk, large scale chemicals (including petroleum products) SU 9: Manufacture of fine chemicals SU 24: Scientific research and development</p> <p>Technical function of the substance during formulation:</p> <p>Intermediates Laboratory chemicals Processing aid, not otherwise listed</p>	<p>Substance supplied to that use:</p> <p>As such In a mixture</p> <p>Subsequent service life relevant for that use: no</p>
<p>IW-5: Industrial use of polymer preparations and compounds</p>	<p>Environmental release category (ERC):</p> <p>ERC 6d: Industrial use of process regulators for polymerisation processes in production of resins, rubbers, polymers</p>	<p>Substance supplied to that use:</p> <p>As such In a mixture</p>

Identifiers	Use descriptors	Other information
including processing aids in the manufacture of plastic products	<p>Process category (PROC):</p> <p>PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)</p> <p>PROC 6: Calendering operations</p> <p>PROC 7: Industrial spraying</p> <p>PROC 8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities</p> <p>PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities</p> <p>PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)</p> <p>PROC 10: Roller application or brushing</p> <p>PROC 13: Treatment of articles by dipping and pouring</p> <p>PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation</p> <p>PROC 23: Open processing and transfer operations with minerals/metals at elevated temperature</p> <p>PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles</p> <p>PROC 26: Handling of solid inorganic substances at ambient temperature</p> <p>PROC 0: Other: PROC 28: Manual maintenance (cleaning and repair) of machinery</p> <p>Product Category used:</p> <p>PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents</p> <p>PC 32: Polymer preparations and compounds</p> <p>Sector of end use:</p> <p>SU 12: Manufacture of plastics products, including compounding and conversion</p> <p>Technical function of the substance during formulation:</p> <p>Binding agents</p> <p>Colouring agents, pigments</p> <p>Corrosion inhibitors and anti-scaling agents</p> <p>Laboratory chemicals</p> <p>pH-regulating agents</p> <p>Processing aid, not otherwise listed</p> <p>Viscosity adjustors</p> <p>Gelling modifier, Hardener, Ion exchange agent</p>	<p>Subsequent service life relevant for that use: yes</p> <p>Link to the subsequent service life:</p> <p>A-3: Service life industrial use and/or processing of plastic articles containing the bound substance (including assembled articles) such as construction and building materials</p> <p>A-6: Service life professional use and/or processing of plastic articles containing the bound substance (including assembled articles) such as construction and building materials</p> <p>A-9: Service life consumer use of plastic articles containing the bound substance (including assembled articles) such as construction and building materials</p>

Table 4. Uses by professional workers

Identifiers	Use descriptors	Other information
PW-6: Professional use of surface treatment products and compounds including processing aids in the	<p>Environmental release category (ERC):</p> <p>ERC 8c: Wide dispersive indoor use resulting in inclusion into or onto a matrix</p> <p>ERC 8f: Wide dispersive outdoor use resulting in inclusion into or onto a matrix</p>	<p>Substance supplied to that use:</p> <p>As such</p> <p>In a mixture</p> <p>Subsequent service life relevant for that use: yes</p>

Identifiers	Use descriptors	Other information
<p>manufacture of metallic and non-metallic mineral products, including building and construction work materials and ceramics</p>	<p>Process category (PROC):</p> <p>PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)</p> <p>PROC 6: Calendering operations</p> <p>PROC 8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities</p> <p>PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities</p> <p>PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)</p> <p>PROC 10: Roller application or brushing</p> <p>PROC 11: Non industrial spraying</p> <p>PROC 13: Treatment of articles by dipping and pouring</p> <p>PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation</p> <p>PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p>PROC 21: Low energy manipulation of substances bound in materials and/or articles</p> <p>PROC 23: Open processing and transfer operations with minerals/metals at elevated temperature</p> <p>PROC 26: Handling of solid inorganic substances at ambient temperature</p> <p>PROC 0: Other: PROC 28: Manual maintenance (cleaning and repair) of machinery</p> <p>Product Category used:</p> <p>PC 9a: Coatings and paints, thinners, paint removes</p> <p>PC 9b: Fillers, putties, plasters, modelling clay</p> <p>PC 14: Metal surface treatment products, including galvanic and electroplating products</p> <p>PC 15: Non-metal-surface treatment products</p> <p>PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents</p> <p>PC 0: Other: UCN codes: B 20300, H 15500, R 30200</p> <p>Sector of end use:</p> <p>SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement</p> <p>SU 15: Manufacture of fabricated metal products, except machinery and equipment</p> <p>SU 19: Building and construction work</p> <p>Technical function of the substance during formulation:</p> <p>Binding agents</p> <p>Colouring agents, pigments</p> <p>Corrosion inhibitors and anti-scaling agents</p> <p>pH-regulating agents</p> <p>Processing aid, not otherwise listed</p> <p>Viscosity adjustors</p> <p>Gelling modifier, Hardener, Ion exchange agent</p>	<p>Link to the subsequent service life:</p> <p>A-4: Service life professional use and/or processing of surface treated metal articles (including assembled articles) such as construction and building materials, vehicles and machinery</p> <p>A-5: Service life professional use and/or processing of surface treated non-metallic mineral products and non-metallic (e.g. wood) articles containing the bound substance (including assembled articles) such as construction and building materials and ceramics</p> <p>A-7: Service life consumer use of surface treated metal articles (including assembled articles) such as construction and building materials, vehicles and machinery</p> <p>A-8: Service life consumer use of surface treated non-metallic mineral products and non-metallic (e.g. wood) articles containing the bound substance (including assembled articles) such as construction and building materials and ceramics</p>

Identifiers	Use descriptors	Other information
<p>PW-7: Professional use of intermediates and laboratory reagents at small scale</p>	<p>Environmental release category (ERC):</p> <p>ERC 8b: Wide dispersive indoor use of reactive substances in open systems ERC 8e: Wide dispersive outdoor use of reactive substances in open systems</p> <p>Process category (PROC):</p> <p>PROC 1: Use in closed process, no likelihood of exposure PROC 2: Use in closed, continuous process with occasional controlled exposure PROC 3: Use in closed batch process (synthesis or formulation) PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) PROC 8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing) PROC 15: Use as laboratory reagent PROC 19: Hand-mixing with intimate contact and only PPE available. PROC 23: Open processing and transfer operations with minerals/metals at elevated temperature PROC 26: Handling of solid inorganic substances at ambient temperature PROC 0: Other: PROC 28: Manual maintenance (cleaning and repair) of machinery</p> <p>Product Category used:</p> <p>PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents PC 21: Laboratory chemicals</p> <p>Sector of end use:</p> <p>SU 9: Manufacture of fine chemicals SU 24: Scientific research and development</p> <p>Technical function of the substance during formulation:</p> <p>Intermediates Processing aid, not otherwise listed</p>	<p>Substance supplied to that use:</p> <p>As such In a mixture</p> <p>Subsequent service life relevant for that use: no</p>
<p>PW-8: Professional use of polymer preparations and compounds including processing aids in the manufacture of plastic products</p>	<p>Environmental release category (ERC):</p> <p>ERC 8c: Wide dispersive indoor use resulting in inclusion into or onto a matrix ERC 8f: Wide dispersive outdoor use resulting in inclusion into or onto a matrix</p> <p>Process category (PROC):</p> <p>PROC 5: Mixing or blending in batch processes for</p>	<p>Substance supplied to that use:</p> <p>As such In a mixture</p> <p>Subsequent service life relevant for that use: yes</p> <p>Link to the subsequent service</p>

Identifiers	Use descriptors	Other information
	<p>formulation of preparations and articles (multistage and/or significant contact)</p> <p>PROC 6: Calendering operations</p> <p>PROC 8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities</p> <p>PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities</p> <p>PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)</p> <p>PROC 10: Roller application or brushing</p> <p>PROC 11: Non industrial spraying</p> <p>PROC 13: Treatment of articles by dipping and pouring</p> <p>PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation</p> <p>PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p>PROC 21: Low energy manipulation of substances bound in materials and/or articles</p> <p>PROC 23: Open processing and transfer operations with minerals/metals at elevated temperature</p> <p>PROC 26: Handling of solid inorganic substances at ambient temperature</p> <p>PROC 0: Other: PROC 28: Manual maintenance (cleaning and repair) of machinery</p> <p>Product Category used:</p> <p>PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents</p> <p>PC 32: Polymer preparations and compounds</p> <p>Sector of end use:</p> <p>SU 12: Manufacture of plastics products, including compounding and conversion</p> <p>Technical function of the substance during formulation:</p> <p>Binding agents</p> <p>Colouring agents, pigments</p> <p>Corrosion inhibitors and anti-scaling agents</p> <p>pH-regulating agents</p> <p>Processing aid, not otherwise listed</p> <p>Viscosity adjustors</p> <p>Gelling modifier, Hardener, Ion exchange agent</p>	<p>life:</p> <p>A-6: Service life professional use and/or processing of plastic articles containing the bound substance (including assembled articles) such as construction and building materials</p> <p>A-9: Service life consumer use of plastic articles containing the bound substance (including assembled articles) such as construction and building materials</p>
PW-9: Professional use of adhesives and sealants	<p>Environmental release category (ERC):</p> <p>ERC 8a: Wide dispersive indoor use of processing aids in open systems</p> <p>ERC 8d: Wide dispersive outdoor use of processing aids in open systems</p> <p>Process category (PROC):</p> <p>PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)</p> <p>PROC 8a: Transfer of substance or preparation</p>	<p>Substance supplied to that use:</p> <p>In a mixture</p> <p>Subsequent service life relevant for that use: yes</p> <p>Link to the subsequent service life:</p> <p>A-4: Service life professional use and/or processing of surface treated metal articles</p>

Identifiers	Use descriptors	Other information
	<p>(charging/discharging) from/to vessels/large containers at non-dedicated facilities PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities PROC 10: Roller application or brushing PROC 11: Non industrial spraying PROC 13: Treatment of articles by dipping and pouring PROC 19: Hand-mixing with intimate contact and only PPE available. PROC 21: Low energy manipulation of substances bound in materials and/or articles</p> <p>Product Category used: PC 1: Adhesives, sealants</p> <p>Technical function of the substance during formulation: Binding agents Colouring agents, pigments Corrosion inhibitors and anti-scaling agents pH-regulating agents Processing aid, not otherwise listed Viscosity adjustors Gelling modifier, Hardener, Ion exchange agent</p>	<p>(including assembled articles) such as construction and building materials, vehicles and machinery A-5: Service life professional use and/or processing of surface treated non-metallic mineral products and non-metallic (e.g. wood) articles containing the bound substance (including assembled articles) such as construction and building materials and ceramics A-7: Service life consumer use of surface treated metal articles (including assembled articles) such as construction and building materials, vehicles and machinery A-8: Service life consumer use of surface treated non-metallic mineral products and non-metallic (e.g. wood) articles containing the bound substance (including assembled articles) such as construction and building materials and ceramics</p>

Table 5. Consumer uses

Identifiers	Use descriptors	Other information
<p>C-10: Consumer use of surface treatment products and compounds including processing aids for treatment of metallic and non-metallic mineral products, including building and construction work materials and ceramics</p>	<p>Environmental release category (ERC): ERC 8c: Wide dispersive indoor use resulting in inclusion into or onto a matrix ERC 8f: Wide dispersive outdoor use resulting in inclusion into or onto a matrix</p> <p>Product Category used: PC 9a: Coatings and paints, thinners, paint removes PC 9b: Fillers, putties, plasters, modelling clay 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 PC 0: Other: UCN codes: B 20300, H 15500, R 30200</p> <p>Technical function of the substance during formulation: Binding agents Colouring agents, pigments Corrosion inhibitors and anti-scaling agents pH-regulating agents Processing aid, not otherwise listed Viscosity adjustors Gelling modifier, Hardener, Ion exchange agent</p>	<p>Substance supplied to that use: In a mixture</p> <p>Subsequent service life relevant for that use: yes</p> <p>Link to the subsequent service life: A-7: Service life consumer use of surface treated metal articles (including assembled articles) such as construction and building materials, vehicles and machinery A-8: Service life consumer use of surface treated non-metallic mineral products and non-metallic (e.g. wood) articles containing the bound substance (including assembled articles) such as construction and building materials and ceramics</p>

Identifiers	Use descriptors	Other information
C-11: Consumer use of adhesive and sealants	<p>Environmental release category (ERC):</p> <p>ERC 8a: Wide dispersive indoor use of processing aids in open systems ERC 8d: Wide dispersive outdoor use of processing aids in open systems</p> <p>Product Category used:</p> <p>PC 1: Adhesives, sealants</p> <p>Technical function of the substance during formulation:</p> <p>Binding agents Colouring agents, pigments Corrosion inhibitors and anti-scaling agents pH-regulating agents Processing aid, not otherwise listed Viscosity adjustors Gelling modifier, Hardener, Ion exchange agent</p>	<p>Substance supplied to that use:</p> <p>In a mixture</p> <p>Subsequent service life relevant for that use: yes</p> <p>Link to the subsequent service life:</p> <p>A-7: Service life consumer use of surface treated metal articles (including assembled articles) such as construction and building materials, vehicles and machinery A-8: Service life consumer use of surface treated non-metallic mineral products and non-metallic (e.g. wood) articles containing the bound substance (including assembled articles) such as construction and building materials and ceramics</p>

Table 6. Article service life

Identifiers	Use descriptors	Other information
SL-1: Service life industrial use and/or processing of surface treated metal articles (including assembled articles) such as construction and building materials, vehicles and machinery	<p>Article category related to subsequent service life (AC):</p> <p>AC 1: Vehicles AC 2: Machinery, mechanical appliances, electrical/electronic articles AC 7: Metal articles</p> <p>Exposure related description of article:</p> <p>Articles with intended or foreseeable skin contact, e.g. clothing or shoe ware Articles with foreseeable impact on indoor exposure due to elevated operating temperature, e.g. computers Articles with foreseeable exposure to dust and fumes during maintenance and recycling processes, e.g. abrasive surface cleaning, dismantling and milling</p> <p>Environmental release category (ERC):</p> <p>ERC 12a: Industrial processing of articles with abrasive techniques (low release) ERC 12b: Industrial processing of articles with abrasive techniques (high release)</p> <p>Process category (PROC):</p> <p>PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation PROC 21: Low energy manipulation of substances bound in materials and/or articles PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles PROC 25: Other hot work operations with metals</p>	<p>Article used by:</p> <p>workers</p>

Identifiers	Use descriptors	Other information
	<p>Technical function of the substance during formulation:</p> <p>Colouring agents, pigments Corrosion inhibitors and anti-scaling agents</p>	
<p>SL-2: Service life industrial use and/or processing of surface treated non-metallic mineral products and non-metallic (e.g. wood) articles containing the bound substance (including assembled articles) such as construction and building materials and ceramics</p>	<p>Article category related to subsequent service life (AC):</p> <p>AC 4: Stone, plaster, cement, glass and ceramic articles AC 11: Wood articles</p> <p>Exposure related description of article:</p> <p>Articles with intended or foreseeable skin contact, e.g. clothing or shoe ware Articles with foreseeable impact on indoor exposure due to elevated operating temperature, e.g. computers Articles with foreseeable exposure to dust and fumes during maintenance and recycling processes, e.g. abrasive surface cleaning, dismantling and milling</p> <p>Environmental release category (ERC):</p> <p>ERC 12a: Industrial processing of articles with abrasive techniques (low release) ERC 12b: Industrial processing of articles with abrasive techniques (high release)</p> <p>Process category (PROC):</p> <p>PROC 21: Low energy manipulation of substances bound in materials and/or articles PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles</p> <p>Technical function of the substance during formulation:</p> <p>Colouring agents, pigments Corrosion inhibitors and anti-scaling agents</p>	<p>Article used by: workers</p>
<p>SL-3: Service life industrial use and/or processing of plastic articles containing the bound substance (including assembled articles) such as construction and building materials</p>	<p>Article category related to subsequent service life (AC):</p> <p>AC 13: Plastic articles</p> <p>Exposure related description of article:</p> <p>Articles with intended or foreseeable skin contact, e.g. clothing or shoe ware Articles with foreseeable impact on indoor exposure due to elevated operating temperature, e.g. computers Articles with foreseeable exposure to dust and fumes during maintenance and recycling processes, e.g. abrasive surface cleaning, dismantling and milling</p> <p>Environmental release category (ERC):</p> <p>ERC 12a: Industrial processing of articles with abrasive techniques (low release) ERC 12b: Industrial processing of articles with</p>	<p>Article used by: workers</p>

Identifiers	Use descriptors	Other information
	<p>abrasive techniques (high release)</p> <p>Process category (PROC):</p> <p>PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation PROC 21: Low energy manipulation of substances bound in materials and/or articles PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles</p> <p>Technical function of the substance during formulation:</p> <p>Colouring agents, pigments Corrosion inhibitors and anti-scaling agents</p>	
<p>SL-4: Service life professional use and/or processing of surface treated metal articles (including assembled articles) such as construction and building materials, vehicles and machinery</p>	<p>Article category related to subsequent service life (AC):</p> <p>AC 1: Vehicles AC 2: Machinery, mechanical appliances, electrical/electronic articles AC 7: Metal articles</p> <p>Exposure related description of article:</p> <p>Articles with intended or foreseeable skin contact, e.g. clothing or shoe ware Articles with foreseeable impact on indoor exposure due to elevated operating temperature, e.g. computers Articles with foreseeable exposure to dust and fumes during maintenance and recycling processes, e.g. abrasive surface cleaning, dismantling and milling</p> <p>Environmental release category (ERC):</p> <p>ERC 10a: Wide dispersive outdoor use of long-life articles and materials with low release ERC 10b: Wide dispersive outdoor use of long-life articles and materials with high or intended release (including abrasive processing) ERC 11a: Wide dispersive indoor use of long-life articles and materials with low release ERC 11b: Wide dispersive indoor use of long-life articles and materials with high or intended release (including abrasive processing)</p> <p>Process category (PROC):</p> <p>PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation PROC 21: Low energy manipulation of substances bound in materials and/or articles PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles PROC 25: Other hot work operations with metals</p> <p>Technical function of the substance during formulation:</p> <p>Colouring agents, pigments Corrosion inhibitors and anti-scaling agents</p>	<p>Article used by: workers</p>

Identifiers	Use descriptors	Other information
<p>SL-5: Service life professional use and/or processing of surface treated non-metallic mineral products and non-metallic (e.g. wood) articles containing the bound substance (including assembled articles) such as construction and building materials and ceramics</p>	<p>Article category related to subsequent service life (AC):</p> <p>AC 4: Stone, plaster, cement, glass and ceramic articles AC 11: Wood articles</p> <p>Exposure related description of article:</p> <p>Articles with intended or foreseeable skin contact, e.g. clothing or shoe ware Articles with foreseeable impact on indoor exposure due to elevated operating temperature, e.g. computers Articles with foreseeable exposure to dust and fumes during maintenance and recycling processes, e.g. abrasive surface cleaning, dismantling and milling</p> <p>Environmental release category (ERC):</p> <p>ERC 10a: Wide dispersive outdoor use of long-life articles and materials with low release ERC 10b: Wide dispersive outdoor use of long-life articles and materials with high or intended release (including abrasive processing) ERC 11a: Wide dispersive indoor use of long-life articles and materials with low release ERC 11b: Wide dispersive indoor use of long-life articles and materials with high or intended release (including abrasive processing)</p> <p>Process category (PROC):</p> <p>PROC 21: Low energy manipulation of substances bound in materials and/or articles PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles</p> <p>Technical function of the substance during formulation:</p> <p>Colouring agents, pigments Corrosion inhibitors and anti-scaling agents</p>	<p>Article used by: workers</p>
<p>SL-6: Service life professional use and/or processing of plastic articles containing the bound substance (including assembled articles) such as construction and building materials</p>	<p>Article category related to subsequent service life (AC):</p> <p>AC 13: Plastic articles</p> <p>Exposure related description of article:</p> <p>Articles with intended or foreseeable skin contact, e.g. clothing or shoe ware Articles with foreseeable impact on indoor exposure due to elevated operating temperature, e.g. computers Articles with foreseeable exposure to dust and fumes during maintenance and recycling processes, e.g. abrasive surface cleaning, dismantling and milling</p> <p>Environmental release category (ERC):</p> <p>ERC 10a: Wide dispersive outdoor use of long-life articles and materials with low release</p>	<p>Article used by: workers</p>

Identifiers	Use descriptors	Other information
	<p>ERC 10b: Wide dispersive outdoor use of long-life articles and materials with high or intended release (including abrasive processing)</p> <p>ERC 11a: Wide dispersive indoor use of long-life articles and materials with low release</p> <p>ERC 11b: Wide dispersive indoor use of long-life articles and materials with high or intended release (including abrasive processing)</p> <p>Process category (PROC):</p> <p>PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation</p> <p>PROC 21: Low energy manipulation of substances bound in materials and/or articles</p> <p>PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles</p> <p>Technical function of the substance during formulation:</p> <p>Colouring agents, pigments</p> <p>Corrosion inhibitors and anti-scaling agents</p>	
<p>SL-7: Service life consumer use of surface treated metal articles (including assembled articles) such as construction and building materials, vehicles and machinery</p>	<p>Article category related to subsequent service life (AC):</p> <p>AC 1: Vehicles</p> <p>AC 2: Machinery, mechanical appliances, electrical/electronic articles</p> <p>AC 7: Metal articles</p> <p>Exposure related description of article:</p> <p>Articles with intended or foreseeable skin contact, e.g. clothing or shoe ware</p> <p>Environmental release category (ERC):</p> <p>ERC 10a: Wide dispersive outdoor use of long-life articles and materials with low release</p> <p>ERC 11a: Wide dispersive indoor use of long-life articles and materials with low release</p> <p>Technical function of the substance during formulation:</p> <p>Colouring agents, pigments</p> <p>Corrosion inhibitors and anti-scaling agents</p>	<p>Article used by:</p> <p>consumers</p>
<p>SL-8: Service life consumer use of surface treated non-metallic mineral products and non-metallic (e.g. wood) articles containing the bound substance (including assembled articles) such as construction and building materials and ceramics</p>	<p>Article category related to subsequent service life (AC):</p> <p>AC 4: Stone, plaster, cement, glass and ceramic articles</p> <p>AC 11: Wood articles</p> <p>Exposure related description of article:</p> <p>Articles with intended or foreseeable skin contact, e.g. clothing or shoe ware</p> <p>Environmental release category (ERC):</p> <p>ERC 10a: Wide dispersive outdoor use of long-life articles and materials with low release</p> <p>ERC 11a: Wide dispersive indoor use of long-life articles and materials with low release</p>	<p>Article used by:</p> <p>consumers</p>

Identifiers	Use descriptors	Other information
	<p>Technical function of the substance during formulation:</p> <p>Colouring agents, pigments Corrosion inhibitors and anti-scaling agents</p>	
<p>SL-9: Service life consumer use of plastic articles containing the bound substance (including assembled articles) such as construction and building materials</p>	<p>Article category related to subsequent service life (AC):</p> <p>AC 13: Plastic articles</p> <p>Exposure related description of article:</p> <p>Articles with intended or foreseeable skin contact, e.g. clothing or shoe ware</p> <p>Environmental release category (ERC):</p> <p>ERC 10a: Wide dispersive outdoor use of long-life articles and materials with low release ERC 11a: Wide dispersive indoor use of long-life articles and materials with low release</p> <p>Technical function of the substance during formulation:</p> <p>Colouring agents, pigments Corrosion inhibitors and anti-scaling agents</p>	<p>Article used by: consumers</p>