



Identified Uses for SDIOC substances – REACH registration 2010

Substance: ammonium hydrogensulfite

EINECS No. 233-469-7

CAS 10192-30-0

Uses by workers in industrial settings

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
	1	Manufacture of ammonium hydrogensulfite and industrial use of ammonium hydrogensulfite in the chemical industry	as such (substance itself) in a mixture	<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 9: Transfer of substance or preparation into small containers (dedicated filling line,</p>

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				<p>including weighing)</p> <p>PROC 10: Roller application or brushing</p> <p>PROC 12: Use of blowing agents in manufacture of foam</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 15: Use as laboratory reagent</p> <p>PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected</p> <p>PROC 17: Lubrication at high energy conditions and in partly open process</p> <p>PROC 18: Greasing at high energy conditions</p> <p>PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p>Market sector by type of chemical product:</p> <p>PC 1: Adhesives, sealants</p> <p>PC 2: Adsorbents</p> <p>PC 3: Air care products</p> <p>PC 4: Anti-freeze and de-icing products</p>

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				<p>PC 7: Base metals and alloys</p> <p>PC 8: Biocidal products (e.g. disinfectants, pest control)</p> <p>PC 9a: Coatings and paints, thinners, paint removes</p> <p>PC 9b: Fillers, putties, plasters, modelling clay</p> <p>PC 13: Fuels</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 17: Hydraulic fluids</p> <p>PC 18: Ink and toners</p> <p>PC 19: Intermediate</p> <p>PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents</p> <p>PC 23: Leather tanning, dye, finishing, impregnation and care products</p> <p>PC 24: Lubricants, greases, release products</p> <p>PC 25: Metal working fluids</p> <p>PC 26: Paper and board dye, finishing and impregnation products: including bleaches and other processing aids</p> <p>PC 28: Perfumes, fragrances</p>

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				<p>PC 30: Photo-chemicals</p> <p>PC 31: Polishes and wax blends</p> <p>PC 32: Polymer preparations and compounds</p> <p>PC 34: Textile dyes, finishing and impregnating products; including bleaches and other processing aids</p> <p>PC 35: Washing and cleaning products (including solvent based products)</p> <p>PC 37: Water treatment chemicals</p> <p>PC 38: Welding and soldering products (with flux coatings or flux cores.), flux products</p> <p>PC 39: Cosmetics, personal care products</p> <p>PC 40: Extraction agents</p> <p>Environmental release category (ERC):</p> <p>ERC 1: Manufacture of substances</p> <p>ERC 2: Formulation of preparations</p> <p>ERC 4: Industrial use of processing aids in processes and products, not becoming part of articles</p> <p>ERC 6a: Industrial use resulting in manufacture of another substance (use of intermediates)</p> <p>ERC 6b: Industrial use of reactive processing aids</p>

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				<p>ERC 6d: Industrial use of process regulators for polymerisation processes in production of resins, rubbers, polymers</p> <p>ERC 7: Industrial use of substances in closed systems</p> <p>Sector of end use (SU):</p> <p>SU 8: Manufacture of bulk, large scale chemicals (including petroleum products)</p> <p>SU 9: Manufacture of fine chemicals</p> <p>SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)</p> <p>SU 16: Manufacture of computer, electronic and optical products, electrical equipment</p> <p>SU 20: Health services</p> <p>Subsequent service life relevant for that use?: no</p>
	2	Photographic industry	as such (substance itself) in a mixture	<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>

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				<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 12: Use of blowing agents in manufacture of foam</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 15: Use as laboratory reagent</p> <p>PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected</p> <p>PROC 17: Lubrication at high energy conditions and in partly open process</p> <p>PROC 18: Greasing at high energy conditions</p> <p>PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p>Market sector by type of chemical product:</p>

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				<p>PC 30: Photo-chemicals</p> <p>Environmental release category (ERC):</p> <p>ERC 1: Manufacture of substances</p> <p>ERC 2: Formulation of preparations</p> <p>ERC 6b: Industrial use of reactive processing aids</p> <p>ERC 8b: Wide dispersive indoor use of reactive substances in open systems</p> <p>Sector of end use (SU):</p> <p>SU 6b: Manufacture of pulp, paper and paper products</p> <p>SU 7: Printing and reproduction of recorded media</p> <p>Subsequent service life relevant for that use?: no</p>
	3	Paper and pulp industry/Bleaching	as such (substance itself) in a mixture	<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>

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				<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 12: Use of blowing agents in manufacture of foam</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 15: Use as laboratory reagent</p> <p>PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected</p> <p>PROC 17: Lubrication at high energy conditions and in partly open process</p> <p>PROC 18: Greasing at high energy conditions</p> <p>PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p>Market sector by type of chemical product:</p>

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				<p>PC 18: Ink and toners</p> <p>PC 19: Intermediate</p> <p>PC 26: Paper and board dye, finishing and impregnation products: including bleaches and other processing aids</p> <p>Environmental release category (ERC):</p> <p>ERC 1: Manufacture of substances</p> <p>ERC 6b: Industrial use of reactive processing aids</p> <p>Sector of end use (SU):</p> <p>SU 6b: Manufacture of pulp, paper and paper products</p> <p>Subsequent service life relevant for that use?: no</p>
	4	Food industry (processing aid for fructose and sugar production, starch industry)	as such (substance itself) in a mixture	<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>

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				<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 12: Use of blowing agents in manufacture of foam</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 15: Use as laboratory reagent</p> <p>PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected</p> <p>PROC 17: Lubrication at high energy conditions and in partly open process</p> <p>PROC 18: Greasing at high energy conditions</p> <p>PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p>Environmental release category (ERC):</p>

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				<p>ERC 1: Manufacture of substances</p> <p>ERC 2: Formulation of preparations</p> <p>ERC 6a: Industrial use resulting in manufacture of another substance (use of intermediates)</p> <p>ERC 6b: Industrial use of reactive processing aids</p> <p>ERC 6c: Industrial use of monomers for manufacture of thermoplastics</p> <p>Sector of end use (SU):</p> <p>SU 4: Manufacture of food products</p> <p>Subsequent service life relevant for that use?: no</p>
	5	Water treatment/Minig/Offshore/Metal industry/Surface treatment)	as such (substance itself) in a mixture	<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</p>

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				<p>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 12: Use of blowing agents in manufacture of foam</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 15: Use as laboratory reagent</p> <p>PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected</p> <p>PROC 17: Lubrication at high energy conditions and in partly open process</p> <p>PROC 18: Greasing at high energy conditions</p> <p>PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p>Market sector by type of chemical product:</p> <p>PC 2: Adsorbents</p>

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				<p>PC 7: Base metals and alloys</p> <p>PC 9a: Coatings and paints, thinners, paint removes</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 17: Hydraulic fluids</p> <p>PC 19: Intermediate</p> <p>PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents</p> <p>PC 24: Lubricants, greases, release products</p> <p>PC 25: Metal working fluids</p> <p>PC 37: Water treatment chemicals</p> <p>PC 38: Welding and soldering products (with flux coatings or flux cores.), flux products</p> <p>Environmental release category (ERC):</p> <p>ERC 2: Formulation of preparations</p> <p>ERC 4: Industrial use of processing aids in processes and products, not becoming part of articles</p> <p>ERC 6b: Industrial use of reactive processing aids</p> <p>ERC 7: Industrial use of substances in closed systems</p>

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				<p>ERC 8b: Wide dispersive indoor use of reactive substances in open systems</p> <p>ERC 8e: Wide dispersive outdoor use of reactive substances in open systems</p> <p>ERC 9a: Wide dispersive indoor use of substances in closed systems</p> <p>ERC 9b: Wide dispersive outdoor use of substances in closed systems</p> <p>Sector of end use (SU):</p> <p>SU 2a: Mining (without offshore industries)</p> <p>SU 2b: Offshore industries</p> <p>SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)</p> <p>SU 14: Manufacture of basic metals, including alloys</p> <p>SU 15: Manufacture of fabricated metal products, except machinery and equipment</p> <p>SU 17: General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment</p> <p>SU 23: Electricity, steam, gas water supply and sewage treatment</p> <p>Subsequent service life relevant for that use?: no</p>
	6	Fibre industry	as such (substance itself) in a mixture	<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>

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				<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 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 12: Use of blowing agents in manufacture of foam</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 15: Use as laboratory reagent</p> <p>PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected</p>

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				<p>PROC 17: Lubrication at high energy conditions and in partly open process</p> <p>PROC 18: Greasing at high energy conditions</p> <p>PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p>Market sector by type of chemical product:</p> <p>PC 19: Intermediate</p> <p>PC 32: Polymer preparations and compounds</p> <p>PC 34: Textile dyes, finishing and impregnating products; including bleaches and other processing aids</p> <p>Environmental release category (ERC):</p> <p>ERC 1: Manufacture of substances</p> <p>ERC 6c: Industrial use of monomers for manufacture of thermoplastics</p> <p>Sector of end use (SU):</p> <p>SU 5: Manufacture of textiles, leather, fur</p> <p>SU 11: Manufacture of rubber products</p> <p>SU 12: Manufacture of plastics products, including compounding and conversion</p> <p>Subsequent service life relevant for that use?: no</p>
	7	Agriculture and fertiliser	as such (substance	Process category (PROC):

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		industry	itself) in a mixture	<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 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 12: Use of blowing agents in manufacture of foam</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 15: Use as laboratory reagent</p>

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				<p>PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected</p> <p>PROC 17: Lubrication at high energy conditions and in partly open process</p> <p>PROC 18: Greasing at high energy conditions</p> <p>PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p>Market sector by type of chemical product:</p> <p>PC 12: Fertilisers</p> <p>PC 19: Intermediate</p> <p>Environmental release category (ERC):</p> <p>ERC 2: Formulation of preparations</p> <p>ERC 8b: Wide dispersive indoor use of reactive substances in open systems</p> <p>ERC 8e: Wide dispersive outdoor use of reactive substances in open systems</p> <p>Sector of end use (SU):</p> <p>SU 1: Agriculture, forestry and fishing</p> <p>Subsequent service life relevant for that use?: no</p>
	8	Wood and furniture industry	as such (substance itself)	<p>Process category (PROC):</p> <p>PROC 1: Use in closed process, no likelihood of exposure</p>

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			in a mixture	<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 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 12: Use of blowing agents in manufacture of foam</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 15: Use as laboratory reagent</p> <p>PROC 16: Using material as fuel sources, limited exposure to unburned product to be</p>

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				<p>expected</p> <p>PROC 17: Lubrication at high energy conditions and in partly open process</p> <p>PROC 18: Greasing at high energy conditions</p> <p>PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p>Market sector by type of chemical product:</p> <p>PC 1: Adhesives, sealants</p> <p>PC 9a: Coatings and paints, thinners, paint removes</p> <p>PC 19: Intermediate</p> <p>PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents</p> <p>PC 31: Polishes and wax blends</p> <p>PC 40: Extraction agents</p> <p>Environmental release category (ERC):</p> <p>ERC 4: Industrial use of processing aids in processes and products, not becoming part of articles</p> <p>ERC 6a: Industrial use resulting in manufacture of another substance (use of intermediates)</p> <p>ERC 6b: Industrial use of reactive processing aids</p>

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				<p>Sector of end use (SU):</p> <p>SU 6a: Manufacture of wood and wood products</p> <p>SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)</p> <p>SU 18: Manufacture of furniture</p> <p>Subsequent service life relevant for that use?: no</p>
	9	Textile/Leather industry	as such (substance itself) in a mixture	<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 9: Transfer of substance or preparation into small containers (dedicated filling line,</p>

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				<p>including weighing)</p> <p>PROC 10: Roller application or brushing</p> <p>PROC 12: Use of blowing agents in manufacture of foam</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 15: Use as laboratory reagent</p> <p>PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected</p> <p>PROC 17: Lubrication at high energy conditions and in partly open process</p> <p>PROC 18: Greasing at high energy conditions</p> <p>PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p>Market sector by type of chemical product:</p> <p>PC 19: Intermediate</p> <p>PC 23: Leather tanning, dye, finishing, impregnation and care products</p> <p>PC 31: Polishes and wax blends</p> <p>PC 34: Textile dyes, finishing and impregnating products; including bleaches and other processing aids</p>

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				PC 35: Washing and cleaning products (including solvent based products) Environmental release category (ERC): ERC 2: Formulation of preparations ERC 4: Industrial use of processing aids in processes and products, not becoming part of articles ERC 6b: Industrial use of reactive processing aids Sector of end use (SU): SU 5: Manufacture of textiles, leather, fur Subsequent service life relevant for that use?: no

Uses by professional workers

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
	10	Photographic sector	as such (substance itself)	Process category (PROC): PROC 2: Use in closed, continuous process with occasional controlled exposure

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			in a mixture	<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 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 12: Use of blowing agents in manufacture of foam</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 15: Use as laboratory reagent</p>

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				<p>PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected</p> <p>PROC 17: Lubrication at high energy conditions and in partly open process</p> <p>PROC 18: Greasing at high energy conditions</p> <p>PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p>PROC 20: Heat and pressure transfer fluids in dispersive, professional use but closed systems</p> <p>Market sector by type of chemical product:</p> <p>PC 30: Photo-chemicals</p> <p>Environmental release category (ERC):</p> <p>ERC 1: Manufacture of substances</p> <p>ERC 2: Formulation of preparations</p> <p>ERC 6b: Industrial use of reactive processing aids</p> <p>ERC 8b: Wide dispersive indoor use of reactive substances in open systems</p> <p>Subsequent service life relevant for that use?: no</p>

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
	11	Paper and pulp/Bleaching sector	as such (substance itself) in a mixture	<p>Process category (PROC):</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 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 12: Use of blowing agents in manufacture of foam</p> <p>PROC 13: Treatment of articles by dipping and pouring</p> <p>PROC 14: Production of preparations or articles by tableting, compression, extrusion,</p>

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				<p>pelletisation</p> <p>PROC 15: Use as laboratory reagent</p> <p>PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected</p> <p>PROC 17: Lubrication at high energy conditions and in partly open process</p> <p>PROC 18: Greasing at high energy conditions</p> <p>PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p>PROC 20: Heat and pressure transfer fluids in dispersive, professional use but closed systems</p> <p>Market sector by type of chemical product:</p> <p>PC 18: Ink and toners</p> <p>PC 26: Paper and board dye, finishing and impregnation products: including bleaches and other processing aids</p> <p>Environmental release category (ERC):</p> <p>ERC 1: Manufacture of substances</p> <p>ERC 6b: Industrial use of reactive processing aids</p>

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				Subsequent service life relevant for that use?: no
	12	Use in food	as such (substance itself) in a mixture	Process category (PROC): 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 10: Roller application or brushing PROC 11: Non industrial spraying PROC 12: Use of blowing agents in manufacture of foam

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				<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 15: Use as laboratory reagent</p> <p>PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected</p> <p>PROC 17: Lubrication at high energy conditions and in partly open process</p> <p>PROC 18: Greasing at high energy conditions</p> <p>PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p>PROC 20: Heat and pressure transfer fluids in dispersive, professional use but closed systems</p> <p>Environmental release category (ERC):</p> <p>ERC 1: Manufacture of substances</p> <p>ERC 2: Formulation of preparations</p> <p>ERC 6a: Industrial use resulting in manufacture of another substance (use of intermediates)</p>

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				<p>ERC 6b: Industrial use of reactive processing aids</p> <p>ERC 6c: Industrial use of monomers for manufacture of thermoplastics</p> <p>Subsequent service life relevant for that use?: no</p>
	13	Water treatment/Mining/Offshore/Metal sector/Surface treatment)	as such (substance itself) in a mixture	<p>Process category (PROC):</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 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>

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				<p>PROC 11: Non industrial spraying</p> <p>PROC 12: Use of blowing agents in manufacture of foam</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 15: Use as laboratory reagent</p> <p>PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected</p> <p>PROC 17: Lubrication at high energy conditions and in partly open process</p> <p>PROC 18: Greasing at high energy conditions</p> <p>PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p>PROC 20: Heat and pressure transfer fluids in dispersive, professional use but closed systems</p> <p>Market sector by type of chemical product:</p> <p>PC 2: Adsorbents</p> <p>PC 7: Base metals and alloys</p>

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				<p>PC 9a: Coatings and paints, thinners, paint removes</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 17: Hydraulic fluids</p> <p>PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents</p> <p>PC 24: Lubricants, greases, release products</p> <p>PC 25: Metal working fluids</p> <p>PC 37: Water treatment chemicals</p> <p>PC 38: Welding and soldering products (with flux coatings or flux cores.), flux products</p> <p>Environmental release category (ERC):</p> <p>ERC 2: Formulation of preparations</p> <p>ERC 4: Industrial use of processing aids in processes and products, not becoming part of articles</p> <p>ERC 6b: Industrial use of reactive processing aids</p> <p>ERC 7: Industrial use of substances in closed systems</p>

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				<p>ERC 8b: Wide dispersive indoor use of reactive substances in open systems</p> <p>ERC 8e: Wide dispersive outdoor use of reactive substances in open systems</p> <p>ERC 9a: Wide dispersive indoor use of substances in closed systems</p> <p>ERC 9b: Wide dispersive outdoor use of substances in closed systems</p> <p>Subsequent service life relevant for that use?: no</p>
	14	Agriculture and fertiliser sector	as such (substance itself) in a mixture	<p>Process category (PROC):</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 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,</p>

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				<p>including weighing)</p> <p>PROC 10: Roller application or brushing</p> <p>PROC 11: Non industrial spraying</p> <p>PROC 12: Use of blowing agents in manufacture of foam</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 15: Use as laboratory reagent</p> <p>PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected</p> <p>PROC 17: Lubrication at high energy conditions and in partly open process</p> <p>PROC 18: Greasing at high energy conditions</p> <p>PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p>PROC 20: Heat and pressure transfer fluids in dispersive, professional use but closed systems</p> <p>Market sector by type of chemical product:</p>

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				<p>PC 12: Fertilisers</p> <p>Environmental release category (ERC):</p> <p>ERC 2: Formulation of preparations</p> <p>ERC 8b: Wide dispersive indoor use of reactive substances in open systems</p> <p>ERC 8e: Wide dispersive outdoor use of reactive substances in open systems</p> <p>Subsequent service life relevant for that use?: no</p>
	15	Use in wood/furniture	as such (substance itself) in a mixture	<p>Process category (PROC):</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 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>

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				<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 12: Use of blowing agents in manufacture of foam</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 15: Use as laboratory reagent</p> <p>PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected</p> <p>PROC 17: Lubrication at high energy conditions and in partly open process</p> <p>PROC 18: Greasing at high energy conditions</p> <p>PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p>PROC 20: Heat and pressure transfer fluids in dispersive, professional use but closed systems</p>

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				<p>Market sector by type of chemical product:</p> <p>PC 1: Adhesives, sealants</p> <p>PC 9a: Coatings and paints, thinners, paint removes</p> <p>PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents</p> <p>PC 31: Polishes and wax blends</p> <p>PC 40: Extraction agents</p> <p>Environmental release category (ERC):</p> <p>ERC 4: Industrial use of processing aids in processes and products, not becoming part of articles</p> <p>ERC 6a: Industrial use resulting in manufacture of another substance (use of intermediates)</p> <p>ERC 6b: Industrial use of reactive processing aids</p> <p>Subsequent service life relevant for that use?: no</p>
	16	Textile/Leather sector	as such (substance itself)	<p>Process category (PROC):</p> <p>PROC 2: Use in closed, continuous process with occasional controlled exposure</p>

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			in a mixture	<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 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 12: Use of blowing agents in manufacture of foam</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 15: Use as laboratory reagent</p>

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				<p>PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected</p> <p>PROC 17: Lubrication at high energy conditions and in partly open process</p> <p>PROC 18: Greasing at high energy conditions</p> <p>PROC 19: Hand-mixing with intimate contact and only PPE available.</p> <p>PROC 20: Heat and pressure transfer fluids in dispersive, professional use but closed systems</p> <p>Market sector by type of chemical product:</p> <p>PC 23: Leather tanning, dye, finishing, impregnation and care products</p> <p>PC 31: Polishes and wax blends</p> <p>PC 34: Textile dyes, finishing and impregnating products; including bleaches and other processing aids</p> <p>PC 35: Washing and cleaning products (including solvent based products)</p> <p>Environmental release category (ERC):</p> <p>ERC 2: Formulation of preparations</p> <p>ERC 4: Industrial use of processing aids in processes and products, not becoming part of</p>

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				articles ERC 6b: Industrial use of reactive processing aids Subsequent service life relevant for that use?: no

Uses by consumers

Confidential	IU number	Identified Use (IU) name	Use descriptors
	17	Consumer use of ammonium hydrogensulfite in photographic applications	Chemical product category (PC): PC 30: Photo-chemicals Environmental release category (ERC): ERC 8b: Wide dispersive indoor use of reactive substances in open systems Subsequent service life relevant for that use?: no