

Identified Uses for SDIOC substances – REACH registration 2010

Substance: sodium hydrogensulfite EINECS No. 231-548-0 CAS 7631-90-5

Uses by workers in industrial settings

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
	1	Manufacture of sodium hydrogensulfit e and industrial use of sodium hydrogensulfit e in the chemical industry	as such (substance itself) in a mixture	Process category (PROC): 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 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

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)
				PROC 10: Roller application or brushing
				PROC 12: Use of blowing agents in manufacture of foam
				PROC 13: Treatment of articles by dipping and pouring
				PROC 14: Production of preparations or articles by tabletting, compression, extrusion, pelletisation
				PROC 15: Use as laboratory reagent
				PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected
				PROC 17: Lubrication at high energy conditions and in partly open process
				PROC 18: Greasing at high energy conditions
				PROC 19: Hand-mixing with intimate contact and only PPE available.
				Market sector by type of chemical product:
				PC 1: Adhesives, sealants
				PC 2: Adsorbents
				PC 3: Air care products
				PC 4: Anti-freeze and de-icing products

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				PC 7: Base metals and alloys
				PC 8: Biocidal products (e.g. disinfectants, pest control)
				PC 9a: Coatings and paints, thinners, paint removes
				PC 9b: Fillers, putties, plasters, modelling clay
				PC 13: Fuels
				PC 14: Metal surface treatment products, including galvanic and electroplating products
				PC 15: Non-metal-surface treatment products
				PC 17: Hydraulic fluids
				PC 18: Ink and toners
				PC 19: Intermediate
				PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents
				PC 23: Leather tanning, dye, finishing, impregnation and care products
				PC 24: Lubricants, greases, release products
				PC 25: Metal working fluids
				PC 26: Paper and board dye, finishing and impregnation products: including bleaches and other processing aids
				PC 28: Perfumes, fragrances

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

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

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				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 12: Use of blowing agents in manufacture of foam
				PROC 13: Treatment of articles by dipping and pouring
				PROC 14: Production of preparations or articles by tabletting, compression, extrusion, pelletisation
				PROC 15: Use as laboratory reagent
				PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected
				PROC 17: Lubrication at high energy conditions and in partly open process
				PROC 18: Greasing at high energy conditions
				PROC 19: Hand-mixing with intimate contact and only PPE available.
				Market sector by type of chemical product:

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				PC 30: Photo-chemicals Environmental release category (ERC): ERC 2: Formulation of preparations ERC 6b: Industrial use of reactive processing aids ERC 8a: Wide dispersive indoor use of processing aids in open systems Sector of end use (SU): SU 6b: Manufacture of pulp, paper and paper products SU 7: Printing and reproduction of recorded media
	3	Textile/Leathe r industry	as such (substance itself) in a mixture	Process category (PROC): 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 7: Industrial spraying

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				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 12: Use of blowing agents in manufacture of foam
				PROC 13: Treatment of articles by dipping and pouring
				PROC 14: Production of preparations or articles by tabletting, compression, extrusion, pelletisation
				PROC 15: Use as laboratory reagent
				PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected
				PROC 17: Lubrication at high energy conditions and in partly open process
				PROC 18: Greasing at high energy conditions
				PROC 19: Hand-mixing with intimate contact and only PPE available.
				Market sector by type of chemical product:
				PC 19: Intermediate

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				PC 23: Leather tanning, dye, finishing, impregnation and care products PC 31: Polishes and wax blends PC 34: Textile dyes, finishing and impregnating products; including bleaches and other processing aids 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 5: Industrial use resulting in inclusion into or onto a matrix 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
	4	Rubber/Plastic industry	as such (substance itself) in a mixture	Process category (PROC): PROC 1: Use in closed process, no likelihood of exposure PROC 2: Use in closed, continuous process with occasional controlled exposure

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				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 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 12: Use of blowing agents in manufacture of foam PROC 13: Treatment of articles by dipping and pouring PROC 14: Production of preparations or articles by tabletting, compression, extrusion,
				pelletisation PROC 15: Use as laboratory reagent PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected

Confidential	IU number		Substance supplied to that use	Use descriptors
				PROC 17: Lubrication at high energy conditions and in partly open process
				PROC 18: Greasing at high energy conditions
				PROC 19: Hand-mixing with intimate contact and only PPE available.
				Market sector by type of chemical product:
				PC 1: Adhesives, sealants
				PC 19: Intermediate
				PC 32: Polymer preparations and compounds
				Environmental release category (ERC):
				ERC 6b: Industrial use of reactive processing aids
				Sector of end use (SU):
				SU 7: Printing and reproduction of recorded media
				SU 11: Manufacture of rubber products
				SU 12: Manufacture of plastics products, including compounding and conversion
				Subsequent service life relevant for that use?: no
	5	Paper and	as such	Process category (PROC):
		pulp industry/Bleac hing	(substance itself)	PROC 1: Use in closed process, no likelihood of exposure

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
			in a mixture	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 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 12: Use of blowing agents in manufacture of foam
				PROC 13: Treatment of articles by dipping and pouring
				PROC 14: Production of preparations or articles by tabletting, compression, extrusion, pelletisation
				PROC 15: Use as laboratory reagent
				PROC 16: Using material as fuel sources, limited exposure to unburned product to be

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				expected
				PROC 17: Lubrication at high energy conditions and in partly open process
				PROC 18: Greasing at high energy conditions
				PROC 19: Hand-mixing with intimate contact and only PPE available.
				Market sector by type of chemical product:
				PC 18: Ink and toners
				PC 19: Intermediate
				PC 26: Paper and board dye, finishing and impregnation products: including bleaches and other processing aids
				Environmental release category (ERC):
				ERC 1: Manufacture of substances
				ERC 4: Industrial use of processing aids in processes and products, not becoming part of articles
				ERC 6a: Industrial use resulting in manufacture of another substance (use of intermediates)
				ERC 6b: Industrial use of reactive processing aids
				Sector of end use (SU):
				SU 6b: Manufacture of pulp, paper and paper products

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				Subsequent service life relevant for that use?: no
	6	Wood and furniture industry	as such (substance itself) in a mixture	Process category (PROC): 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 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 12: Use of blowing agents in manufacture of foam
				PROC 13: Treatment of articles by dipping and pouring

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				PROC 14: Production of preparations or articles by tabletting, compression, extrusion, pelletisation
				PROC 15: Use as laboratory reagent
				PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected
				PROC 17: Lubrication at high energy conditions and in partly open process
				PROC 18: Greasing at high energy conditions
				PROC 19: Hand-mixing with intimate contact and only PPE available.
				Market sector by type of chemical product:
				PC 1: Adhesives, sealants
				PC 9a: Coatings and paints, thinners, paint removes
				PC 19: Intermediate
				PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents
				PC 31: Polishes and wax blends
				PC 40: Extraction agents
				Environmental release category (ERC):
				ERC 4: Industrial use of processing aids in processes and products, not becoming part of articles

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				ERC 6a: Industrial use resulting in manufacture of another substance (use of intermediates) ERC 6b: Industrial use of reactive processing aids ERC 8a: Wide dispersive indoor use of processing aids in open systems Sector of end use (SU): SU 6a: Manufacture of wood and wood products SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys) SU 18: Manufacture of furniture Subsequent service life relevant for that use?: no
	7	Food industry (processing aid for fructose and sugar production, starch industry)	as such (substance itself) in a mixture	Process category (PROC): 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 7: Industrial spraying PROC 8a: Transfer of substance or preparation (charging/discharging) from/to

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				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 12: Use of blowing agents in manufacture of foam
				PROC 13: Treatment of articles by dipping and pouring
				PROC 14: Production of preparations or articles by tabletting, compression, extrusion, pelletisation
				PROC 15: Use as laboratory reagent
				PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected
				PROC 17: Lubrication at high energy conditions and in partly open process
				PROC 18: Greasing at high energy conditions
				PROC 19: Hand-mixing with intimate contact and only PPE available.
				Environmental release category (ERC):
				ERC 1: Manufacture of substances

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				ERC 2: Formulation of preparations ERC 4: Industrial use of processing aids in processes and products, not becoming part of articles ERC 6a: Industrial use resulting in manufacture of another substance (use of intermediates) ERC 6b: Industrial use of reactive processing aids ERC 6c: Industrial use of monomers for manufacture of thermoplastics Sector of end use (SU): SU 4: Manufacture of food products Subsequent service life relevant for that use?: no
	8	Water treatment/Mini ng/Offshore/M etal industry/Surfa ce treatment)	`	Process category (PROC): 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 7: Industrial spraying

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				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 12: Use of blowing agents in manufacture of foam
				PROC 13: Treatment of articles by dipping and pouring
				PROC 14: Production of preparations or articles by tabletting, compression, extrusion, pelletisation
				PROC 15: Use as laboratory reagent
				PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected
				PROC 17: Lubrication at high energy conditions and in partly open process
				PROC 18: Greasing at high energy conditions
				PROC 19: Hand-mixing with intimate contact and only PPE available.
				Market sector by type of chemical product:
				PC 2: Adsorbents

Confidential	IU number	` '	Substance supplied to that use	Use descriptors
				PC 7: Base metals and alloys
				PC 9a: Coatings and paints, thinners, paint removes
				PC 14: Metal surface treatment products, including galvanic and electroplating products
				PC 15: Non-metal-surface treatment products
				PC 17: Hydraulic fluids
				PC 19: Intermediate
				PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents
				PC 24: Lubricants, greases, release products
				PC 25: Metal working fluids
				PC 37: Water treatment chemicals
				PC 38: Welding and soldering products (with flux coatings or flux cores.), flux 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
				ERC 7: Industrial use of substances in closed systems

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				ERC 8b: Wide dispersive indoor use of reactive substances in open systems
				ERC 8e: Wide dispersive outdoor use of reactive substances in open systems
				ERC 9a: Wide dispersive indoor use of substances in closed systems
				ERC 9b: Wide dispersive outdoor use of substances in closed systems
				Sector of end use (SU):
				SU 2a: Mining (without offshore industries)
				SU 2b: Offshore industries
				SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)
				SU 14: Manufacture of basic metals, including alloys
				SU 15: Manufacture of fabricated metal products, except machinery and equipment
				SU 17: General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment
				SU 23: Electricity, steam, gas water supply and sewage treatment
				Subsequent service life relevant for that use?: no
	9	Fibre industry	as such	Process category (PROC):
			(substance itself)	PROC 1: Use in closed process, no likelihood of exposure
			in a mixture	PROC 2: Use in closed, continuous process with occasional controlled exposure

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				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 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 12: Use of blowing agents in manufacture of foam PROC 13: Treatment of articles by dipping and pouring PROC 14: Production of preparations or articles by tabletting, compression, extrusion,
				PROC 15: Use as laboratory reagent PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				PROC 17: Lubrication at high energy conditions and in partly open process
				PROC 18: Greasing at high energy conditions
				PROC 19: Hand-mixing with intimate contact and only PPE available.
				Market sector by type of chemical product:
				PC 19: Intermediate
				PC 32: Polymer preparations and compounds
				PC 34: Textile dyes, finishing and impregnating products; including bleaches and other processing aids
				Environmental release category (ERC):
				ERC 1: Manufacture of substances
				ERC 6b: Industrial use of reactive processing aids
				ERC 6c: Industrial use of monomers for manufacture of thermoplastics
				Sector of end use (SU):
				SU 5: Manufacture of textiles, leather, fur
				SU 11: Manufacture of rubber products
				SU 12: Manufacture of plastics products, including compounding and conversion
				Subsequent service life relevant for that use?: no

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
	10	Additive in cement	as such (substance itself) in a mixture	Process category (PROC): 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 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 12: Use of blowing agents in manufacture of foam PROC 13: Treatment of articles by dipping and pouring PROC 14: Production of preparations or articles by tabletting, compression, extrusion, pelletisation

Confidential	IU number	` '	Substance supplied to that use	Use descriptors
				PROC 15: Use as laboratory reagent
				PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected
				PROC 17: Lubrication at high energy conditions and in partly open process
				PROC 18: Greasing at high energy conditions
				PROC 19: Hand-mixing with intimate contact and only PPE available.
				Market sector by type of chemical product:
				PC 9b: Fillers, putties, plasters, modelling clay
				PC 19: Intermediate
				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 5: Industrial use resulting in inclusion into or onto a matrix
				ERC 6b: Industrial use of reactive processing aids
				ERC 8a: Wide dispersive indoor use of processing aids in open systems
				ERC 8b: Wide dispersive indoor use of reactive substances in open systems

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				ERC 8e: Wide dispersive outdoor use of reactive substances in open systems Sector of end use (SU): SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement SU 19: Building and construction work Subsequent service life relevant for that use?: no
	11	Agriculture and fertiliser industry	as such (substance itself) in a mixture	Process category (PROC): 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 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,

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				including weighing)
				PROC 10: Roller application or brushing
				PROC 12: Use of blowing agents in manufacture of foam
				PROC 13: Treatment of articles by dipping and pouring
				PROC 14: Production of preparations or articles by tabletting, compression, extrusion, pelletisation
				PROC 15: Use as laboratory reagent
				PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected
				PROC 17: Lubrication at high energy conditions and in partly open process
				PROC 18: Greasing at high energy conditions
				PROC 19: Hand-mixing with intimate contact and only PPE available.
				Market sector by type of chemical product:
				PC 12: Fertilisers
				PC 19: Intermediate
				Environmental release category (ERC):
				ERC 4: Industrial use of processing aids in processes and products, not becoming part of articles

Confidential	IU number	` '	Substance supplied to that use	Use descriptors
				ERC 8e: Wide dispersive outdoor use of reactive substances in open systems Sector of end use (SU): SU 1: Agriculture, forestry and fishing Subsequent service life relevant for that use?: no

Uses by professional workers

Confidential	IU number		Substance supplied to that use	Use descriptors
	12	Photographic		Process category (PROC):
		sector	(substance itself)	PROC 2: Use in closed, continuous process with occasional controlled exposure
			in a mixture	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

Confidential	IU number	* *	Substance supplied to that use	Use descriptors
				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
				PROC 13: Treatment of articles by dipping and pouring
				PROC 14: Production of preparations or articles by tabletting, compression, extrusion, pelletisation
				PROC 15: Use as laboratory reagent
				PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected
				PROC 17: Lubrication at high energy conditions and in partly open process
				PROC 18: Greasing at high energy conditions
				PROC 19: Hand-mixing with intimate contact and only PPE available.
				PROC 20: Heat and pressure transfer fluids in dispersive, professional use but closed systems
				Market sector by type of chemical product:

Confidential	IU number		Substance supplied to that use	Use descriptors
				PC 30: Photo-chemicals Environmental release category (ERC): ERC 2: Formulation of preparations ERC 6b: Industrial use of reactive processing aids ERC 8a: Wide dispersive indoor use of processing aids in open systems Subsequent service life relevant for that use?: no
	13	r sector	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)

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				PROC 10: Roller application or brushing
				PROC 11: Non industrial spraying
				PROC 12: Use of blowing agents in manufacture of foam
				PROC 13: Treatment of articles by dipping and pouring
				PROC 14: Production of preparations or articles by tabletting, compression, extrusion, pelletisation
				PROC 15: Use as laboratory reagent
				PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected
				PROC 17: Lubrication at high energy conditions and in partly open process
				PROC 18: Greasing at high energy conditions
				PROC 19: Hand-mixing with intimate contact and only PPE available.
				PROC 20: Heat and pressure transfer fluids in dispersive, professional use but closed systems
				Market sector by type of chemical product:
				PC 23: Leather tanning, dye, finishing, impregnation and care products
				PC 31: Polishes and wax blends
				PC 34: Textile dyes, finishing and impregnating products; including bleaches and other

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				processing aids
				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 5: Industrial use resulting in inclusion into or onto a matrix
				ERC 6b: Industrial use of reactive processing aids
				Subsequent service life relevant for that use?: no
	14	Paper and	as such	Process category (PROC):
		pulp/Bleaching sector	itself)	PROC 2: Use in closed, continuous process with occasional controlled exposure
			in a mixture	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

Confidential	IU number	` '	Substance supplied to that use	Use descriptors
				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
				PROC 13: Treatment of articles by dipping and pouring
				PROC 14: Production of preparations or articles by tabletting, compression, extrusion, pelletisation
				PROC 15: Use as laboratory reagent
				PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected
				PROC 17: Lubrication at high energy conditions and in partly open process
				PROC 18: Greasing at high energy conditions
				PROC 19: Hand-mixing with intimate contact and only PPE available.
				PROC 20: Heat and pressure transfer fluids in dispersive, professional use but closed systems
				Market sector by type of chemical product:

Confidential	IU number	* *	Substance supplied to that use	Use descriptors
				PC 18: Ink and toners
				PC 26: Paper and board dye, finishing and impregnation products: including bleaches and other processing aids
				Environmental release category (ERC):
				ERC 1: Manufacture of substances
				ERC 4: Industrial use of processing aids in processes and products, not becoming part of articles
				ERC 6a: Industrial use resulting in manufacture of another substance (use of intermediates)
				ERC 6b: Industrial use of reactive processing aids
				Subsequent service life relevant for that use?: no
	15	Use in	as such	Process category (PROC):
		wood/furniture	(substance itself)	PROC 2: Use in closed, continuous process with occasional controlled exposure
			in a mixture	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

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				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
				PROC 13: Treatment of articles by dipping and pouring
				PROC 14: Production of preparations or articles by tabletting, compression, extrusion, pelletisation
				PROC 15: Use as laboratory reagent
				PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected
				PROC 17: Lubrication at high energy conditions and in partly open process
				PROC 18: Greasing at high energy conditions
				PROC 19: Hand-mixing with intimate contact and only PPE available.
				PROC 20: Heat and pressure transfer fluids in dispersive, professional use but closed systems

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				Market sector by type of chemical product:
				PC 1: Adhesives, sealants
				PC 9a: Coatings and paints, thinners, paint removes
				PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents
				PC 31: Polishes and wax blends
				PC 40: Extraction agents
				Environmental release category (ERC):
				ERC 4: Industrial use of processing aids in processes and products, not becoming part of articles
				ERC 6a: Industrial use resulting in manufacture of another substance (use of intermediates)
				ERC 6b: Industrial use of reactive processing aids
				ERC 8a: Wide dispersive indoor use of processing aids in open systems
				Subsequent service life relevant for that use?: no
	16	Use in food	as such	Process category (PROC):
			(substance itself)	PROC 2: Use in closed, continuous process with occasional controlled exposure
			in a mixture	PROC 3: Use in closed batch process (synthesis or formulation)

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				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
				PROC 13: Treatment of articles by dipping and pouring
				PROC 14: Production of preparations or articles by tabletting, compression, extrusion, pelletisation
				PROC 15: Use as laboratory reagent
				PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected
				PROC 17: Lubrication at high energy conditions and in partly open process

Confidential	IU number	` '	Substance supplied to that use	Use descriptors
				PROC 18: Greasing at high energy conditions PROC 19: Hand-mixing with intimate contact and only PPE available. PROC 20: Heat and pressure transfer fluids in dispersive, professional use but closed systems Environmental release category (ERC): ERC 1: Manufacture of substances ERC 2: Formulation of preparations ERC 4: Industrial use of processing aids in processes and products, not becoming part of articles ERC 6a: Industrial use resulting in manufacture of another substance (use of intermediates) ERC 6b: Industrial use of reactive processing aids ERC 6c: Industrial use of monomers for manufacture of thermoplastics Subsequent service life relevant for that use?: no
	17	Water treatment/Mini ng/Offshore/M etal sector/Surface treatment)	`	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

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				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
				PROC 13: Treatment of articles by dipping and pouring
				PROC 14: Production of preparations or articles by tabletting, compression, extrusion, pelletisation
				PROC 15: Use as laboratory reagent
				PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected
				PROC 17: Lubrication at high energy conditions and in partly open process
				PROC 18: Greasing at high energy conditions

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				PROC 19: Hand-mixing with intimate contact and only PPE available.
				PROC 20: Heat and pressure transfer fluids in dispersive, professional use but closed systems
				Market sector by type of chemical product:
				PC 2: Adsorbents
				PC 7: Base metals and alloys
				PC 9a: Coatings and paints, thinners, paint removes
				PC 14: Metal surface treatment products, including galvanic and electroplating products
				PC 15: Non-metal-surface treatment products
				PC 17: Hydraulic fluids
				PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents
				PC 24: Lubricants, greases, release products
				PC 25: Metal working fluids
				PC 37: Water treatment chemicals
				PC 38: Welding and soldering products (with flux coatings or flux cores.), flux products
				Environmental release category (ERC):
				ERC 2: Formulation of preparations

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				ERC 4: Industrial use of processing aids in processes and products, not becoming part of articles
				ERC 6b: Industrial use of reactive processing aids
				ERC 7: Industrial use of substances in closed systems
				ERC 8b: Wide dispersive indoor use of reactive substances in open systems
				ERC 8e: Wide dispersive outdoor use of reactive substances in open systems
				ERC 9a: Wide dispersive indoor use of substances in closed systems
				ERC 9b: Wide dispersive outdoor use of substances in closed systems
				Subsequent service life relevant for that use?: no
	18	Use in cement		Process category (PROC):
			(substance itself)	PROC 2: Use in closed, continuous process with occasional controlled exposure
			in a mixture	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

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				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
				PROC 13: Treatment of articles by dipping and pouring
				PROC 14: Production of preparations or articles by tabletting, compression, extrusion, pelletisation
				PROC 15: Use as laboratory reagent
				PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected
				PROC 17: Lubrication at high energy conditions and in partly open process
				PROC 18: Greasing at high energy conditions
				PROC 19: Hand-mixing with intimate contact and only PPE available.
				PROC 20: Heat and pressure transfer fluids in dispersive, professional use but closed systems
				Market sector by type of chemical product:

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				PC 9b: Fillers, putties, plasters, modelling clay
				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 5: Industrial use resulting in inclusion into or onto a matrix
				ERC 6b: Industrial use of reactive processing aids
				ERC 8a: Wide dispersive indoor use of processing aids in open systems
				ERC 8b: Wide dispersive indoor use of reactive substances in open systems
				ERC 8e: Wide dispersive outdoor use of reactive substances in open systems
				Subsequent service life relevant for that use?: no
	19	Agriculture	as such	Process category (PROC):
		l '	(substance itself)	PROC 2: Use in closed, continuous process with occasional controlled exposure
			in a mixture	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

Confidential	IU number	Identified Use (IU) name	Substance supplied to that use	Use descriptors
				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
				PROC 13: Treatment of articles by dipping and pouring
				PROC 14: Production of preparations or articles by tabletting, compression, extrusion, pelletisation
				PROC 15: Use as laboratory reagent
				PROC 16: Using material as fuel sources, limited exposure to unburned product to be expected
				PROC 17: Lubrication at high energy conditions and in partly open process
				PROC 18: Greasing at high energy conditions
				PROC 19: Hand-mixing with intimate contact and only PPE available.
				PROC 20: Heat and pressure transfer fluids in dispersive, professional use but closed systems

Confidential	IU number	` '	Substance supplied to that use	Use descriptors
				Market sector by type of chemical product:
				PC 12: Fertilisers
				Environmental release category (ERC):
				ERC 4: Industrial use of processing aids in processes and products, not becoming part of articles
				ERC 8e: Wide dispersive outdoor use of reactive substances in open systems
				Subsequent service life relevant for that use?: no

Uses by consumers

Confidential	IU number	Identified Use (IU) name	Use descriptors
	20	of ink eraser containing sodium hydrogensulfit e	Chemical product category (PC): PC 0: Other: UCN:B25000 or B25300 Environmental release category (ERC): ERC 8a: Wide dispersive indoor use of processing aids in open systems ERC 8b: Wide dispersive indoor use of reactive substances in open systems Subsequent service life relevant for that use?: no