

Sodium Sulphate

REACH: Identified uses / status quo: 02.03.2018

Sector of use [SU]

SU describes in which sector of the economy the substance is used. This includes mixing or repacking of substances at formulator's level as well as industrial, professional and consumer enduses

SU0 Other

SU01 Agriculture, forestry, fishery

SU02a Mining, (including offshore industries)

SU02b Offshore industries

SU03 Industrial Manufacturing (all)

SU04 Manufacture of food products

SU05 Manufacture of textiles, leather, fur

SU06a Manufacture of wood and wood products

SU06b Manufacture of pulp, paper and paper products

SU07 Printing and reproduction of recorded media

SU08 Manufacture of bulk, large scale chemicals (including petroleum products)

SU09 Manufacture of fine chemicals

SU10 Chemical formulation and/or re-packaging

SU11 Manufacture of rubber products

SU12 Manufacture of plastics products, including compounding and conversion

SU13 Manufacture of other non-metallic mineral products, e.g. plasters, cement

SU14 Manufacture of basic metals, including alloys

SU15 Manufacture of fabricated metal products, except machinery and equipment

SU16 Manufacture of computer, electronic and optical products, electrical equipment

SU17 General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment.

SU18 Manufacture of furniture

SU19 Building and construction work

SU20 Health services

SU21 Consumer uses: Private households (= general public = consumers)

SU22 Public domain (administration, education, entertainment, services, craftsmen)

SU23 Electricity, steam, gas water supply and sewage treatment

SU24 Scientific research and development

Product Category [PC]

PC describes in which types of chemical products (= substances as such or in preparations [mixture]) the substance is finally contained when it is supplied to enduses (by industrial, professional or consumer users)

PC0 Other products

PC01 Adhesives, Sealants

PC02 Adsorbens

PC03 Air care products

PC04 Anti-Freeze and De-icing products

PC05 Artists Supply and Hobby preparations – removed in the version 2010 of R12

PC06 Automotive Care Products – removed in the version 2010 of R12

PC07 Base metals and alloys

PC08 Biocidal Products (e.g. Disinfectants, pest control)

PC09a Coatings and Paints, thinners, paint removers

PC09b Fillers, putties

PC09c Face and finger paints

PC10 Building and construction preparations not covered elsewhere – removed in the version 2010 of R12

PC11 Explosives

PC12 Fertilizers

PC13 Fuels

PC14 Metal surface treatment products, including galvanic and electroplating products,

PC15 Non-metal-surface treatment products

PC16 Heat Transfer Fluids

PC17 Hydraulic Fluids

PC18 Ink and Toners

PC19 Intermediate

PC20 Products such as ph-regulators, flocculants, precipitants, neutralization agents

PC21 Laboratory Chemicals

PC22 Lawn and Garden Preparations, including fertilizers

PC23 Leather tanning, dye, finishing, impregnation and care products

PC24 Lubricants, Greases and Release Products

PC25 Metal Working Fluids



PC26 Paper and Board dye, finishing and impregnation products; including bleaches and other processing aids

PC27 Plant Protection Products

PC28 Perfumes, Fragrances

PC29 Pharmaceuticals

PC30 Photochemicals

PC31 Polishes and Wax Blends

PC32 Polymer Preparations and Compounds

PC33 Semiconductor

PC34 Textile dyes, finishing and impregnating products; including bleaches and other processing aids

PC35 Washing and Cleaning Products (including solvent based products)

PC36 Water softeners

PC37 Water treatment chemicals

PC38 Welding and soldering products, flux products

PC39 Cosmetics, personal care products

PC40 Extraction agents

Process Category [PROC]

PROC describes the application techniques or process types defined from the occupational perspective

- PROC00 Other process or activity (removed in the version 2010 of R12)
- PROC01 Use in closed process, no likelihood of exposure
- PROC02 Use in closed, continuous process with occasional controlled exposure
- PROC03 Use in closed batch process (synthesis or formulation)
- PROC04 Use in batch and other process (synthesis) where opportunity for exposure arises
- PROC05 Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)
- PROC06 Calendring operations
- PROC07 Industrial Spraying
- PROC08a Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non dedicated facilities
- PROC08b Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities
- PROC09 Transfer of substance or preparation into small containers (dedicated filling line, including weighing) Industrial setting;
- PROC10 Roller application or brushing
- PROC11 Non industrial spraying
- PROC12 Use of blow agents in manufacture of foam
- PROC13 Treatment of articles by dipping and pouring
- PROC14 Production of preparations or articles by tableting, compression, extrusion, pelettisation
- PROC15 Use a laboratory reagent
- PROC16 Using material as fuel sources, limited exposure to unburned product to be expected
- PROC17 Lubrication at high energy conditions and in partly open process
- PROC18 Greasing at high energy conditions
- PROC19 Hand-mixing with intimate contact and only PPE available
- PROC20 Heat and pressure transfer fluids in dispersive use but closed systems
- PROC21 Low energy manipulation of substances bound in materials and/or articles
- PROC22 Potentially closed processing operations (with minerals) at elevated temperature – Industrial setting
- PROC23 Open processing and transfer operations (with minerals) at elevated temperature
- PROC24 High (mechanical) energy work-up of substances bound in materials and/or articles
- PROC25 Other hot work operations with metals
- PROC26 Handling of solid inorganic substances at ambient temperature
- PROC27a Production of metal powders (hot processes)
- PROC27b Production of metal powders (wet processes)

Environmental Release Categories [ERC]

ERC describes the broad conditions of use from the environmental perspective

ERC01 Manufacture of substances

ERC02 Formulation of preparations

ERC03 Formulation in materials

ERC04 Industrial use of processing aids in processes and products not becoming part of articles

ERC05 Industrial use resulting in inclusion into or onto a matrix

ERC06A Industrial use of intermediates

ERC06B Industrial use of reactive processing aids

ERC06C Production of plastics

ERC06C Industrial use of monomers for manufacture of thermoplastics

ERC06D Industrial use of process regulators for polymerisation processes in production of resins, rubbers, polymers

ERC07 Industrial use of substances in closed systems

ERC08A Wide dispersive indoor use of processing aids in open systems

ERC08B Wide dispersive indoor use of reactive substances in open systems

ERC08C Wide dispersive indoor use resulting in inclusion into or onto a matrix

ERC08D Wide dispersive outdoor use of processing aids in open systems

ERC08E Wide dispersive outdoor use of reactive substances in open systems

ERC08F Wide dispersive outdoor use resulting in inclusion into or onto a matrix

ERC09A Wide dispersive indoor use of substances in closed systems

ERC09B Wide dispersive outdoor use of substances in closed systems

ERC10A Wide dispersive outdoor use of long-life articles and materials with low release

ERC10B Wide dispersive outdoor use of long-life articles and materials with high or intended release

ERC11A Wide dispersive indoor use of long-life articles and materials with low release

ERC11B Wide dispersive indoor use of long-life articles and materials with high or intended release

ERC12a Industrial processing of articles with abrasive techniques (low release)

ERC12b Industrial processing of articles with abrasive techniques (high release)

Article Category [AC]

AC describes the type of article into which the substance has eventually been processed. This also includes preparations [mixtures] in their dried or cured form (e.g. dried printing ink in newspapers; dried coatings on various surfaces)

AC00 Other articles without intended release – removed in the version 2010 of R12

AC01 Vehicles

AC02 Machinery and mechanical appliances thereof

AC03 Electrical batteries and accumulators

AC04 Stone, plaster, cement, glass and ceramic articles

AC05 Fabrics, textiles and apparel

AC06 Leather articles

AC07 Metal articles

AC08 Paper articles

AC09 Photographic and reprographic articles

AC10 Rubber articles

AC11 Wood articles

AC12–1 Constructional articles and building material for indoor use: wall construction, ceramic, metal, plastic and wood construction material, insulating material – canceled in the version 2010 of R12

AC12–2 Constructional articles and building material for outdoor use: wall construction, road surface, ceramic, metal, plastic and wood material, insulating material – canceled in the version 2010 of R12

AC13 Plastic articles

AC30 Other articles with intended release

AC31 Scented Clothes

AC32 Scented Eraser

AC34 Scented Toys

AC35 Scented Paper articles

AC36 Scented CD

AC38 Packaging material für metal parts, releasing grease/corrosion inhibitors

Additional information - supported by the downstream user:

Sodium Sulphate is used as an additive substance in the manufacturing of glass
Professional use of laundry products
Professional use of general surface cleaning products
Professional use of dishwash products
Consumer end use – cosmetics, footwear/insoles, air care, biocide product, fragrance, wax-polish, washing/cleaning
Use of Na₂SO₄ in electrolytic pickling of stainless steel.
Raw material for glass production
Used to produce Sodium Sulphate decahydrate (Glauber's salt)

Explanation report:

Uses marked in the grey fields are identified uses in the registration dossier for the substance Sodium Sulphate (Art. 37 (2) REACH)

The substance Sodium Sulphate as it is subjected in our consortium there is no duty to prepare an exposure scenario (Art. 14 (4) REACH)