

REACH: Identified uses based on joint CSR / status quo: 30.01.2019

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

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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 20
- 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 pr
- 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
- 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

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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 (mult

PROC06 Calendering operations

PROC07 Industrial Spraying

PROC08a Transfer of substance or preparation (charging/discharging) from/to vessels/large con

PROC08b Transfer of substance or preparation (charging/discharging) from/to vessels/large con

PROC09 Transfer of substance or preparation into small containers (dedicated filling line, includi

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, pelettisatio

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 – Indus

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)

PROC28: Manual maintenance (cleaning and repair) of machinery

Environmental Release Categories [ERC]

ERC describes the broad conditions of use from the environmental perspective

ERC01 Manufacture of substaces

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

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ERC06C Industrial use of monomers for manufacture of thermoplastics
ERC06D Industrial use of process regulators for polymerisation processes in production of resins
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, i
AC12-2 Constructional articles and building material for outdoor use: wall construction, road sur
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

Sodium Sulphate

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Additional information - supported by the downstream user:

Sodium Sulphate is used as an additive substance in the manufacturing of glas

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-polis

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)