

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2015/830 Issue date: 15/04/2016 Revision date: 19/05/2022 Supersedes version of: 02/02/2022 Version: 6.0

# SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product form : Substance

Substance name : SODIUM SULPHATE
Chemical name : Sodium sulfate
IUPAC name : Sodium sulphate
EC-No. : 231-820-9
CAS-No. : 7757-82-6
Product group : Raw material

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

No additional information available

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

Central Chemical Supplies Limited

44 Hall Road

BT66 7LJ Donaghcloney Craigavon

Northern Ireland

T 02838881936 - F 02838882335

Info@ccsni.co.uk - www.centralchemicalsupplies.co.uk

### 1.4. Emergency telephone number

Emergency number : +447872501842

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals

#### **SECTION 2: Hazards identification**

# 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (inhalation:dust,mist) Category 4 H332

Full text of H- and EUH-statements: see section 16

#### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

### 2.2. Label elements

### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)

GHS07

Signal word (CLP) : Warning

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2015/830

Hazard statements (CLP) : H332 - Harmful if inhaled.

Precautionary statements (CLP) : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 - Use only outdoors or in a well-ventilated area.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 - Call a POISON CENTRE or doctor if you feel unwell.

#### 2.3. Other hazards

No additional information available

#### **SECTION 3: Composition/information on ingredients**

#### 3.1. Substances

Substance type : Mono-constituent

Name	Product identifier	Classification according to Regulation (EC) No. 1272/2008 [CLP]
SODIUM SULPHATE	CAS-No.: 7757-82-6 EC-No.: 231-820-9	Acute Tox. 4 (Inhalation:dust,mist), H332 (ATE=1.5 mg/l/4h)

Full text of H- and EUH-statements: see section 16

#### 3.2. Mixtures

Not applicable

# **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

#### 4.2. Most important symptoms and effects, both acute and delayed

No additional information available

# 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### **SECTION 5: Firefighting measures**

# 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

# 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

19/05/2022 (Revision date) GB - en 2/9

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2015/830

#### **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the

product.

# 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

#### 7.3. Specific end use(s)

No additional information available

# SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

SODIUM SULPHATE (7757-82-6)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, inhalation	20 mg/m³	
Long-term - local effects, inhalation	20 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects, inhalation 12 mg/m³		
Long-term - local effects, inhalation	12 mg/m³	

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2015/830

SODIUM SULPHATE (7757-82-6)		
PNEC (Water)		
PNEC aqua (freshwater)	11.09 mg/l	
PNEC aqua (marine water)	1109 mg/l	
PNEC aqua (intermittent, freshwater)	17.66 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	40.2 mg/kg dwt	
PNEC sediment (marine water)	4.02 mg/kg dwt	
PNEC (Soil)		
PNEC soil 1.54 mg/kg dwt		
PNEC (STP)		
PNEC sewage treatment plant	800 mg/l	

#### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

# Personal protective equipment symbol(s):







# 8.2.2.1. Eye and face protection

# Eye protection:

Safety glasses

#### 8.2.2.2. Skin protection

# Skin and body protection:

Wear suitable protective clothing

# Hand protection:

Protective gloves

#### 8.2.2.3. Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

#### **Environmental exposure controls:**

Avoid release to the environment.

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2015/830

#### **SECTION 9: Physical and chemical properties**

#### 9.1. Information on basic physical and chemical properties

Physical state : Solid

Molecular mass : 142.044 g/mol Source: CRC

Colour : Colourless.
Odour : No data available
Odour threshold : No data available

pH : 4.9

Relative evaporation rate (butylacetate=1) : No data available

Melting point : 33

Freezing point : Not applicable

Boiling point : > 890 °C Source: International Uniform ChemicaL Information Database

Flash point : Not applicable
Auto-ignition temperature : Not applicable

Decomposition temperature : 1200 °C Source: International Uniform Chemical Information Database

Flammability (solid, gas) : Non flammable.

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : ≈ 2.7

Solubility : Water: 161000 mg/l at 20 °C Source: OECD Screening Information Data Set

Partition coefficient n-octanol/water (Log Pow) : -3 Source: OECD Screening Information Data Set

Viscosity, kinematic : Not applicable

Viscosity, dynamic : ≈ 2481 mPa.s Temp.: '20°C' Parameter: 'dynamic viscosity (in mPa s)'

Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : Not applicable

### 9.2. Other information

No additional information available

### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

# 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

## 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

#### **SECTION 11: Toxicological information**

# 11.1 Information on toxicological effects

Acute toxicity (oral) : Not classified Acute toxicity (dermal) : Not classified

19/05/2022 (Revision date) GB - en 5/9

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2015/830

Acute toxicity (inhalation) : Harmful if inhaled.

Acute toxicity (illinatation)	. Harmur milaled.
SODIUM SULPHATE (7757-82-6)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method)
LC50 Inhalation - Rat	> 2.4 mg/l air Animal: rat, Guideline: OECD Guideline 436 (Acute Inhalation Toxicity: Acute Toxic Class Method)
Skin corrosion/irritation	: Not classified pH: 4.9
Serious eye damage/irritation	: Not classified pH: 4.9
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
SODIUM SULPHATE (7757-82-6)	
Viscosity, kinematic	Not applicable

# **SECTION 12: Ecological information**

# 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse

effects in the environment.

: Not classified

Hazardous to the aquatic environment, short-term

(acute)

Hazardous to the aquatic environment, long-term : Not classified

(chronic)

Not rapidly degradable

SODIUM SULPHATE (7757-82-6)	
LC50 - Fish [1]	1350 mg/l
LC50 - Fish [2]	≈ 7960 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	≈ 3150.21 mg/l Test organisms (species): Ceriodaphnia dubia

### 12.2. Persistence and degradability

No additional information available

# 12.3. Bioaccumulative potential

SODIUM SULPHATE (7757-82-6)	
Partition coefficient n-octanol/water (Log Pow)	-3 Source: OECD Screening Information Data Set

# 12.4. Mobility in soil

No additional information available

# 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

19/05/2022 (Revision date) GB - en 6/9

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2015/830

#### **SECTION 13: Disposal considerations**

# 13.1. Waste treatment methods

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

#### **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shippin	g name			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard o	14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group	14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information	No supplementary information available			

# 14.6. Special precautions for user

#### **Overland transport**

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

### Inland waterway transport

Not regulated

#### Rail transport

Not regulated

# 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

# SECTION 15: Regulatory information

# 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

SODIUM SULPHATE is not on the REACH Candidate List

SODIUM SULPHATE is not on the REACH Annex XIV List

SODIUM SULPHATE is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 july 2012 concerning the export and import of hazardous chemicals.

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2015/830

SODIUM SULPHATE is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

SODIUM SULPHATE is not subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

#### **SECTION 16: Other information**

Abbreviations and acr	onyms:
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2015/830

Abbreviations and acronyms:		
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
VOC	Volatile Organic Compounds	
CAS-No.	Chemical Abstract Service number	
N.O.S.	Not Otherwise Specified	
vPvB	Very Persistent and Very Bioaccumulative	
ED	Endocrine disrupting properties	

Full text of H- and EUH-statements:	
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
H332	Harmful if inhaled.

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.