

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SODIUM SULFATE ANHYDROUS

Version 2.0

Print Date 2015/07/07

Revision date / valid from 2015/07/07

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

1.1. Product identifier

Trade name : SODIUM SULFATE ANHYDROUS
Substance name : Sodium sulphate
CAS-No. : 7757-82-6
EC-No. : 231-820-9

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

Use of the Substance/Mixture : At this time we do not yet have information on identified uses. They will be included in this safety data sheet when available.
Uses advised against : At this moment we have not identified any uses advised against

1.3. Details of the supplier of the safety data sheet

Company : Brenntag UK & Ireland
Albion House, Rawdon Park
GB LS19 7XX Leeds Yeadon
Telephone : +44 (0) 113 3879 200
Telefax : +44 (0) 113 3879 280
E-mail address : msds@brenntag.co.uk

1.4. Emergency telephone number

Emergency telephone number : Emergency only telephone number (open 24 hours):
+44 (0) 1865 407333 (N.C.E.C. Culham)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

This substance is not classified as dangerous according to Directive 67/548/EEC.

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Most important adverse effects

- Human Health : See section 11 for toxicological information.
- Physical and chemical hazards : See section 9 for physicochemical information.
- Potential environmental effects : See section 12 for environmental information.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is not labeled as dangerous according to Regulation (EC) No. 1272/2008.

Additional Labelling:

Handle in accordance with good industrial hygiene and safety practice.

2.3. Other hazards

For Results of PBT and vPvB assessment see section 12.5.
The product does not need to be labelled in accordance with EC directives or respective national laws.

SECTION 3: Composition/information on ingredients

3.1. Substances

Non-hazardous component

Chemical Name	Identification Number	Amount [%]
Sodium sulphate	CAS-No. : 7757-82-6 EC-No. 231-820-9	<= 100

SECTION 4: First aid measures

4.1. Description of first aid measures

- General advice : Move out of dangerous area. Take off all contaminated clothing immediately.
- If inhaled : Move to fresh air. If symptoms persist, call a physician.
- In case of skin contact : Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 5 minutes. If easy to do, remove contact lens, if

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worn. If eye irritation persists, consult a specialist.

If swallowed : Rinse the mouth and spit the fluids out. Do NOT induce vomiting. Call a physician immediately.

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

Symptoms : See Section 11 for more detailed information on health effects and symptoms.

Effects : See Section 11 for more detailed information on health effects and symptoms.

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

Treatment : Treat symptomatically.
No further information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media : High volume water jet

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting : The product itself does not burn. Fire may cause evolution of: Sulphur oxides, Under certain fire conditions, traces of other toxic products cannot be excluded.

5.3. Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Wear appropriate body protection (full protective suit)
Further advice : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Provide adequate ventilation. Wear personal protective equipment. Keep away unprotected persons.

6.2. Environmental precautions

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Environmental precautions : Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3. Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up : Use mechanical handling equipment. Treat recovered material as described in the section "Disposal considerations". Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Advice on safe handling : Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not breathe dust.

Hygiene measures : Keep away from food, drink and animal feedingstuffs. Use good personal hygiene practices. Wash hands before eating, drinking or using toilet facilities. Take off protection clothing before entering the canteen and shall be wash thoroughly before use.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Keep container tightly closed in a dry and well-ventilated place. Product is hygroscopic.

Advice on protection against fire and explosion : The product is not flammable.

Further information on storage conditions : Keep away from heat. Keep away from direct sunlight. Protect from frost. Keep in a dry place.

Advice on common storage : Keep away from food, drink and animal feedingstuffs. Keep away from oxidising agents and strongly acid or alkaline materials.

7.3. Specific end use(s)

Note : At this time we do not yet have information on identified uses. They will be included in this safety data sheet when available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

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8.2. Exposure controls

Appropriate engineering controls

Provide appropriate exhaust ventilation at places where dust is formed.

Personal protective equipment

Respiratory protection

Advice : Required if dust is released
Half mask with a particle filter P2 (EN 143).

Hand protection

Advice : Protective gloves

Eye protection

Advice : Tightly fitting safety goggles

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	: solid
Colour	: white
Odour	: odourless
Odour Threshold	: no data available
pH	: 4 - 7 (200 g/l; 20 °C)
Melting point/range	: ca. 880 °C
Boiling point	: no data available
Flash point	: Not applicable
Evaporation rate	: Not applicable
Flammability (solid, gas)	: does not ignite
Upper explosion limit	: Not applicable
Lower explosion limit	: Not applicable

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Vapour pressure	:	Not applicable
Relative vapour density	:	Not applicable
Density	:	2.70 g/cm ³
Water solubility	:	ca. 200 g/l (20 °C) soluble
Partition coefficient: n-octanol/water	:	Not applicable
Auto-ignition temperature	:	Not applicable
Thermal decomposition	:	no data available
Viscosity, kinematic	:	Not applicable
Explosive properties	:	EU legislation: Not explosive
Explosivity	:	Product is not explosive.
Oxidizing properties	:	none

9.2. Other information

No further information available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

Advice : No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Advice : Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : None known.

10.4. Conditions to avoid

Thermal decomposition : no data available

10.5. Incompatible materials

Materials to avoid : No information available.

10.6. Hazardous decomposition products

Hazardous decomposition products : Sodium oxides

SODIUM SULFATE ANHYDROUS**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity****Oral**

Please find this information in the listing of the component/components below in the MSDS.

Inhalation

no data available

Dermal

no data available

Irritation**Skin**

Result : No skin irritation

Eyes

Result : May have irritant effect on eyes

Sensitisation

Result : Did not cause sensitisation on laboratory animals.

CMR effects**CMR Properties**

Carcinogenicity : Contains no ingredient listed as a carcinogen

Mutagenicity : Contains no ingredient listed as a mutagen

Teratogenicity : It is not considered teratogenic.

Reproductive toxicity : Contains no ingredient listed as toxic to reproduction

Specific Target Organ Toxicity**Single exposure**

remark : The substance or mixture is not classified as specific target organ toxicant, single exposure.

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Repeated exposure

remark : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Other toxic properties

Aspiration hazard

No aspiration toxicity classification

Further information

Other relevant toxicity information : Dust in the eyes may cause mechanical irritation. Handle in accordance with good industrial hygiene and safety practice.

Component:	Sodium sulphate	CAS-No. 7757-82-6
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Acute toxicity

Oral

LD50 : 5989 mg/kg (Rat)

SECTION 12: Ecological information

12.1. Toxicity

Component:	Sodium sulphate	CAS-No. 7757-82-6
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Acute toxicity

Fish

LC50 : 120 mg/l (Gambusia affinis (Mosquito fish); 96 h)

Toxicity to daphnia and other aquatic invertebrates

EC50 : 2564 mg/l (Daphnia magna (Water flea); 48 h)

12.2. Persistence and degradability

Persistence and degradability

Biodegradability

Result : The methods for determining biodegradability are not applicable to inorganic substances.

SODIUM SULFATE ANHYDROUS**12.3. Bioaccumulative potential****12.4. Mobility in soil****Mobility**

Result : The product is water soluble.

Distribution among environmental compartments

: The product is water soluble.

12.5. Results of PBT and vPvB assessment**12.6. Other adverse effects****Additional ecological information**

Result : Aquatic toxicity
Does not cause biological oxygen deficit.
General advice
Do not flush into surface water or sanitary sewer system.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Product : Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Dispose of in accordance with local regulations. Contact manufacturer.

Contaminated packaging : Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

European Waste Catalogue Number : No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

SECTION 14: Transport information

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Not dangerous goods for ADR, RID, IMDG and IATA.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packaging group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IMDG : Not applicable.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.2. Chemical Safety Assessment**

no data available

SECTION 16: Other information**Further information**

Key literature references : Supplier information and data from the "Database of registered substances" of the European Chemicals Agency (ECHA) were used to create this safety data sheet.

Other information : The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements

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and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

|| Indicates updated section.