

SAFETY DATA SHEET
Sodium Sulphate Anhydrous

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Issued: 29/07/2013
Revision No: 1

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product: Sodium: Sodium Sulphate Anhydrous
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2. HAZARDS IDENTIFICATION

Chemical Formulae: Na₂SO₄
Chemical Family Name:
CAS No.: 7757-82-6
EINECS No.:

3. COMPOSITION / INFORMATION ON INGREDIENTS

Main Hazards: May cause irritation to eyes

4. FIRST AID MEASURES (SYMPTOMS)

First Aid – Eyes: Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain medical attention.

First Aid – Skin: Remove contaminated clothing. Wash skin with water.

First Aid – Inhalation: Remove from exposure, keep warm and at rest. Obtain medical attention if ill effects occur.

First Aid – Ingestion: Do not induce vomiting. Provided patient is conscious wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Obtain medical attention if ill effects occur.

Further Medical Treatment: Symptomatic treatment and supportive therapy as indicated.

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5. FIRE-FIGHTING MEASURES

Extinguishing Media: Water spray should be used to cool containers.

Hazardous decomposition products: Thermal decomposition will evolve toxic and irritant vapours.

Protective Equipment for Fire Fighting: A self-contained breathing apparatus and suitable protective clothing must be worn in fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Spillage: Sweep up and shovel into waste drums or plastic bags. Wash the spillage area clean.

Environmental Precautions: Spillage or uncontrolled discharges into watercourses must be immediately alerted to the National Rivers Authority or other appropriate regulatory body.

Personal Precautions: Ensure suitable personal protection during removal of spillage. Protect against dust.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Avoid inhalation of high concentrations of Dust.

Storage: Keep in a cool, well ventilated place. Keep away from moisture. Stocks should be turned over at two to three monthly intervals and storage arranged such that oldest stock is used up first.

Storage temperature: Ambient temperatures.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:	LTEL	8hr TWA	STEL		Time
Hazardous Ingredients:	ppm	mg/m3	ppm	mg/m3	Mins
Dust (Total Inhalable Dust):	-	10	-	-	- OES
Dust (Respirable Dust):	-	5	-	-	- OES

Personal Protection: Wear suitable protective clothing. An approved dust mask should be worn if exposure to high levels of dust is likely.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Free flowing powder
Odour: Odourless
Melting Point (C°): 884
Solubility (water): Soluble
Specific Gravity : 2.7

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10. STABILITY AND REACTIVITY

Hazardous Reactions: Can react with magnesium and aluminium violently on heating.

Hazardous Decomposition Products: Prolonged heating at high temperatures may give rise to sulphur oxides.

11. TOXICOLOGICAL INFORMATION

Eyes: Dust may causes irritation

Skin: Unlikely to cause skin irritation

Ingestion: The swallowing of small amounts is unlikely to cause any adverse effects. Larger doses may produce diarrhoea.

Inhalation: High concentrations of dust may be slightly irritating to the respiratory tract.

Long Term Exposure: This material has been is use for many years with no evidence of adverse effects

12. ECOLOGICAL INFORMATION

Environmental Fate and Distribution: High tonnage material produced in wholly contained systems. High tonnage material used in open systems. Solid with low volatility. The product is soluble in water. The product is predicted to have high mobility in soil.

Persistence and Degradation: The product is substantially bio transformable in water.

Toxicity: Low toxicity to aquatic organisms.
LC50 (blue gill sunfish) (96 hour) 1350 mg/l

Effect on Effluent Treatment: The product is anticipated to be substantially removed in biological treatment processes.

13. DISPOSAL CONSIDERATIONS

Disposal should be I accordance with local or national legislation.

14. TRANSPORT INFORMATION

Not classified as Dangerous for Conveyance.

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15. REGULATORY INFORMATION

Not classified as Dangerous for Supply.

Note: The regulatory information given above only indicates the principal regulations specifically Applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

The Specification has incurred revision. The Safety Data Sheets remain the same.

Legal disclaimer: The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.