



## MATERIAL SAFETY DATA SHEET

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Sodium sulfate, Anhydrous

21630

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MSDS Name:** Sodium sulfate, Anhydrous

**Catalog Numbers:**

BPE354-500, S/6640, SP/0229, SP/0403

**Synonyms:**

Dipotassium salt, potassium salt

**Company Identification:** Fisher Scientific UK

Bishop Meadow Road  
Loughborough, Leicestershire  
LE11 5RG, UK

For information, call: 01509 231166

For emergencies, call: 01509 231166

### SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	:	7757-82-6
Chemical Name	:	Sodium sulfate
%	:	
EINECS#	:	231-820-9
Haz Symbols	:	None Listed
Risk Phrases	:	None Listed

### SECTION 3 - HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Not available.

#### Potential Health Effects

Eye:

May cause eye irritation.

Skin:

May cause skin irritation.

Ingestion:

Ingestion of large amounts may cause gastrointestinal irritation.

Inhalation:

May cause respiratory tract irritation.

Chronic:

No information found.

### SECTION 4 - FIRST AID MEASURES

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid. Induce vomiting by giving one teaspoon of Syrup of Ipecac.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Notes to Physician:

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## SECTION 5 - FIRE FIGHTING MEASURES

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General Information:

Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products.

Extinguishing Media:

Substance is nonflammable; use agent most appropriate to extinguish surrounding fire.

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

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General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions.

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## SECTION 7 - HANDLING and STORAGE

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Handling:

Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing.

Storage:

Store in a tightly closed container. Keep from contact with oxidizing materials.

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## SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

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Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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Physical State: Solid

Color: White granular or powder.

Odor: Odorless

pH: 5.2-9.5: 5% solution

Vapor Pressure: Not available.

Viscosity: Not available.

Boiling Point: Not available.

Freezing/Melting Point: 1630 deg F

Autoignition Temperature: Not available.

Flash Point: Not available.

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature: Not available.

Solubility in water: Slightly soluble in water.

Specific Gravity/Density: 2.7

Molecular Formula: Na<sub>2</sub>SO<sub>4</sub>

Molecular Weight: 142.0372

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## SECTION 10 - STABILITY AND REACTIVITY

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Chemical Stability:

Stable.

Conditions to Avoid:

Moisture.

Incompatibilities with Other Materials:

Strong oxidizers, magnesium. Reacts explosively with aluminum.

Hazardous Decomposition Products:

Oxides of sulfur.

Hazardous Polymerization: Has not been reported.

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## SECTION 11 - TOXICOLOGICAL INFORMATION

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RTECS#:

CAS# 7757-82-6: WE1650000

LD50/LC50:

CAS# 7757-82-6: Oral, mouse: LD50 = 5989 mg/kg.

Carcinogenicity:

Sodium sulfate -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

See actual entry in RTECS for complete information.

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## SECTION 12 - ECOLOGICAL INFORMATION

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Ecotoxicity:

This chemical is not expected to cause oxygen depletion in aquatic systems. It has a low potential to affect aquatic organisms and is expected to have a low potential to affect secondary waste treatment microorganisms. Acute aquatic effects: 96-hour LC50; Fathead minnow: GT10,000 mg/L 96-Hour LC50; Water flea: 100-1000 mg/L

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## SECTION 13 - DISPOSAL CONSIDERATIONS

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Products which are considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local waste regulator for advice. Empty containers must be decontaminated before returning for recycling.

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## SECTION 14 - TRANSPORT INFORMATION

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IATA

Shipping Name: SODIUM SULPHIDE, HYDRATED

Hazard Class: 8

UN Number: 1849

Packing Group: II

IMO

Shipping Name: SODIUM SULPHIDE, HYDRATED

Hazard Class: 8

UN Number: 1849

Packing Group: II

RID/ADR

Shipping Name: SODIUM SULPHIDE, HYDRATED

Hazard Class: 8

UN Number: 1849

Packing group: II

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## SECTION 15 - REGULATORY INFORMATION

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European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 7757-82-6: 0

United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada

CAS# 7757-82-6 is listed on Canada's DSL List.

CAS# 7757-82-6 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL

TSCA

CAS# 7757-82-6 is listed on the TSCA inventory.

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## SECTION 16 - ADDITIONAL INFORMATION

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MSDS Creation Date: 12/21/1994 Revision #0 Date: Original.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.