

MATERIAL SAFETY DATA SHEET  
 Sodium sulfate, powder, anhydrous

**Section 1 - Chemical Product and Company Identification**
**MSDS Name:** Sodium sulfate, powder, anhydrous

**Catalog Numbers:** 19664-0000, 19664-0010, 19664-0025, 19664-0050, 19664-0250, 19664-0251, 21875-0000, 21875-5000, 21926-0000, 21926-0010, 21926-0025, 32560-0000, 35425-0000, 35425-0010, 42441-0000, 42441-0010, 42441-0030, 42441-0050

**Synonyms:**
**Company Identification:** Acros Organics BVBA  
 Janssen Pharmaceuticaaan 3a  
 2440 Geel, Belgium

**Company Identification: (USA)** Acros Organics  
 One Reagent Lane  
 Fair Lawn, NJ 07410

**For information in the US, call:** 800-ACROS-01

**For information in Europe, call:** +32 14 57 52 11

**Emergency Number, Europe:** +32 14 57 52 99

**Emergency Number US:** 201-796-7100

**CHEMTREC Phone Number, US:** 800-424-9300

**CHEMTREC Phone Number, Europe:** 703-527-3887

**Section 2 - Composition, Information on Ingredients**

CAS#	Chemical Name:	%	EINECS#
7757-82-6	Sodium sulfate, anhydrous	99%	231-820-9

**Hazard Symbols:** None listed

**Risk Phrases:** None listed

**Section 3 - Hazards Identification**
**EMERGENCY OVERVIEW**
*Not available*
**Potential Health Effects**
**Eye:** May cause eye irritation. Causes redness and pain.

**Skin:** May cause skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. May be harmful if absorbed through the skin.

**Ingestion:** May cause irritation of the digestive tract. May cause nausea and vomiting. May be harmful if swallowed.

**Inhalation:** May cause respiratory tract irritation. May be harmful if inhaled. Inhalation of dust may cause irritation of the nose and throat.

**Chronic:**
**Section 4 - First Aid Measures**

<b>Eyes:</b>	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
<b>Skin:</b>	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
<b>Ingestion:</b>	Get medical aid. Wash mouth out with water.
<b>Inhalation:</b>	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
<b>Notes to Physician:</b>	Treat symptomatically and supportively.

### Section 5 - Fire Fighting Measures

<b>General Information:</b>	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Substance is noncombustible.
<b>Extinguishing Media:</b>	Use extinguishing media most appropriate for the surrounding fire.

### Section 6 - Accidental Release Measures

<b>General Information:</b>	Use proper personal protective equipment as indicated in Section 8.
<b>Spills/Leaks:</b>	Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions.

### Section 7 - Handling and Storage

<b>Handling:</b>	Avoid breathing dust, vapor, mist, or gas. Avoid contact with eyes, skin, and clothing.
<b>Storage:</b>	Store in a cool, dry place. Store in a tightly closed container.

### Section 8 - Exposure Controls, Personal Protection

<b>Engineering Controls:</b>	Use adequate ventilation to keep airborne concentrations low.
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<b>Exposure Limits</b>	CAS# 7757-82-6:
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#### Personal Protective Equipment

<b>Eyes:</b>	Wear chemical splash goggles.
<b>Skin:</b>	Wear appropriate protective gloves to prevent skin exposure.
<b>Clothing:</b>	Wear appropriate protective clothing to prevent skin exposure.
<b>Respirators:</b>	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

### Section 9 - Physical and Chemical Properties

<b>Physical State:</b>	Solid
<b>Color:</b>	white - fine
<b>Odor:</b>	odorless
<b>pH:</b>	5.0-8.0 (5% aq.sol.)
<b>Vapor Pressure:</b>	Not available
<b>Viscosity:</b>	Not available
<b>Boiling Point:</b>	> 1700 deg C @ 760 mmHg (> 3,092.00°F)
<b>Freezing/Melting Point:</b>	884 deg C ( 1,623.20°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:** Not available.  
**Specific Gravity/Density:** 2.6800g/cm<sup>3</sup>  
**Molecular Formula:** Na<sub>2</sub>SO<sub>4</sub>  
**Molecular Weight:** 142.04

### Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures. Hygroscopic: absorbs moisture or water from the air.

**Conditions to Avoid:** Incompatible materials, dust generation, exposure to moist air or water.

**Incompatibilities with Other Materials** Strong oxidizing agents, strong acids, aluminum, magnesium.

**Hazardous Decomposition Products** Oxides of sulfur, sodium oxide.

**Hazardous Polymerization** Will not occur.

### Section 11 - Toxicological Information

**RTECS#:** CAS# 7757-82-6: WE1650000

**LD50/LC50:** RTECS:  
**CAS# 7757-82-6:** Oral, mouse: LD50 = 5989 mg/kg;

**Carcinogenicity:** Sodium sulfate, anhydrous - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

**Other:** See actual entry in RTECS for complete information. The toxicological properties have not been fully investigated. Mutagenicity: Ames-test: negative.

### Section 12 - Ecological Information

**Ecotoxicity:** Fish: Bluegill/Sunfish: LC50 = ~3040-4380 mg/l; 96H; .  
 Fish: Fathead Minnow: LC50 = 13500 - 14500 mg/l; 96H; .  
 Bacteria: Pseudomonas putida: EC10 = >100 mg/l; .; .  
 Fish: Mosquito Fish: LC50 = 17.500 mg/l; 48H; .  
 Daphnia: Daphnia: EC50 = 2564 mg/l; 48H; .  
 Daphnia: Daphnia: LC50 = 4547 mg/l; 96H; .

**Other:** This chemical is not likely to bioconcentrate. Avoid entering into waters or underground water. Do not empty into drains.  
 Log Pow = -3.0

### Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

### Section 14 - Transport Information

	IATA	IMO	RID/ADR
<b>Shipping Name:</b>	Not regulated as a hazardous material	Not regulated as a hazardous material	Not regulated as a hazardous material
<b>Hazard Class:</b>			
<b>UN Number:</b>			
<b>Packing</b>			

**Group:**

## Section 15 - Regulatory Information

### European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 7757-82-6: 0

Canada

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

### US Federal

TSCA

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

## Section 16 - Other Information

**MSDS Creation Date:** 9/03/1996

**Revision #2 Date** 8/12/2004

**Revisions were made in Sections:** General revision.

*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 event 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.*

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