

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/cm3  
**Molecular Formula:** Na2SO4  
**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.

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