

Material safety data sheet

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Catalog Numbers: 12593
Catalog Name: Sodium sulfite anhydrous

Company Identification:

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CREATION DATE: August 5, 2004

SECTION 2 COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENT: Sodium sulfite
CAS NUMBER: 7757-83-7
TSCA:inventory
EC NUMBER (EINECS): 231-821-4
JAPAN NUMBER (ENCS): 1-502
PERCENTAGE: (for Cosmetic)97.0+%

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Harmful if swallowed. Irritating to eyes, respiratory system and skin. Moisture sensitive. Air sensitive.

Potential Health Effects

Eye:
May cause eye irritation.
Skin:
May cause skin irritation.
Ingestion:
Harmful if swallowed. May cause gastrointestinal irritation with

nausea, vomiting and diarrhea.
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:
Get medical aid. Flush skin with plenty of soap and water for at
least 15 minutes while removing contaminated clothing and shoes.
Ingestion:
Induce vomiting. If victim is conscious and alert, give 2-4 cupfuls
of milk or water. Never give anything by mouth to an unconscious
person. Get medical aid immediately.
Inhalation:
Remove from exposure to fresh air immediately. If not breathing,
give artificial respiration. If breathing is difficult, give oxygen.
Get medical aid.
Notes to Physician:

SECTION 5 FIRE FIGHTING MEASURES

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 noncombustible; use agent most appropriate to
extinguish surrounding fire.

SECTION 6 ACCIDENTAL RELEASE MEASURES

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.

SECTION 7 HANDLING AND STORAGE

Handling:

Use with adequate ventilation. Avoid prolonged or repeated contact with skin. Avoid ingestion and inhalation.

Storage:

Store in a cool, dry place. Keep from contact with oxidizing materials. Keep away from strong acids.

SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

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 minimize contact with skin.

Respirators:

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

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|----------------------------|---------------------------|
| Physical State: | Crystalline powder |
| Appearance: | white |
| Odor: | odorless |
| pH: | 8.5-10.5, 5%aq.sol. |
| Vapor Pressure: | Not available. |
| Viscosity: | Not available. |
| Boiling Point: | Not available. |
| Freezing/Melting Point: | Not available. |
| Autoignition Temperature: | Not available. |
| Flash Point: | Not available. |
| Explosion Limits, lower: | Not available. |
| Explosion Limits, upper: | Not available. |
| Decomposition Temperature: | >500 deg C |
| Solubility in water: | 23 G/100 ML WATER (20- C) |

Specific Gravity/Density: 2.6330g/cm³
Molecular Formula: Na₂SO₃
Molecular Weight: 126.04

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability:
Stable.
Conditions to Avoid:
Incompatible materials.
Incompatibilities with Other Materials:
Oxidizing agents, strong acids.
Hazardous Decomposition Products:
Oxides of sulfur.
Hazardous Polymerization: Has not been reported.

SECTION 11 TOXICOLOGICAL INFORMATION

RTECS#:
CAS# 7757-83-7: WE2150000
LD50/LC50:
CAS# 7757-83-7: Oral, mouse: LD50 = 820 mg/kg.
Carcinogenicity:
Sodium sulfite, anhydrous -
Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
See actual entry in RTECS for complete information.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity:
This chemical is expected to cause little oxygen depletion in aquatic systems. It has a moderate potential to affect aquatic organisms and secondary waste treatment microorganisms. It has a low potential to affect the germination and growth of some plants. Acute aquatic effects: 96-hour LC50; Fathead minnow: GT100 mg/l 96-hour LC50;
Water flea: 32 mg/L
Other
This chemical is not likely to bioconcentrate.

SECTION 13 DISPOSAL CONSIDERATIONS

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

SECTION 14 TRANSPORT INFORMATION

IATA
 Not regulated as a hazardous material.
IMO
 Not regulated as a hazardous material.
RID/ADR
 Not regulated as a hazardous material.

SECTION 15 REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

 R 22 Harmful if swallowed.

 R 36/37/38 Irritating to eyes, respiratory system
 and skin.

Safety Phrases:

 S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 7757-83-7: 1

United Kingdom Occupational Exposure Limits

Canada

CAS# 7757-83-7 is listed on Canada's DSL List.

CAS# 7757-83-7 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL

TSCA

CAS# 7757-83-7 is listed on the TSCA inventory.

SECTION 16 OTHER INFORMATION
