

Material Safety Data Sheet

Provided by:
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SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name SODIUM SULFITE ANHYDROUS
Synonyms DISODIUM SULFITE, SULFUROUS ACID, DISODIUM SALT
Chemical Name SODIUM SULFITE ANHY **Date of Issue:** 10/1/00
Emergency phone: 281-457-4888 **Reviewed / Revision Date:** 08/29/07
Chemtrec: 800-424-9300

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	PERCENT	CAS NO.
SODIUM SULFATE		7757-82-6
SODIUM SULFITE	> 90%	7757-83-7

SECTION 3 - HAZARDS IDENTIFICATION

Potential Health Effects

ACGIH - TLV: 2 ppm for SO₂
Eye Contact DUST OR MIST MAY IRRITATE OR BURN EYES.
Skin Contact REPEATED OR PROLONGED CONTACT MAY CAUSE SKIN IRRITATION.
Ingestion MAY IRRITATE GASTROINTESTINAL TRACT. LARGE DOSES CAUSE DEATH, VIOLENT COLIC, DIARRHEA AND CNS DEPRESSION. MAY CAUSE ALLERGIC REACTION IN ASTHMATICS & SULFUR SENSITIVE PERSONS.
Inhalation INHALATION OF SO₂ GAS FROM DECOMPOSITION MAY BE HARMFUL OR DEADLY. DUST MAY CAUSE SEVERE OR DEADLY ALLERGIC REACTION IN SOME ASTHMATICS & SULFUR SENSITIVE PERSONS. MAY CAUSE IRRITATION OF RESPIRATORY TRACT.
Carcinogenicity: NTP NO IARC NO OSHA NO

SECTION 4 - FIRST AID PROCEDURES

Eye Contact: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.
Skin Contact: IMMEDIATELY REMOVE CONTAMINATED CLOTHING OR SHOES, WIPE EXCESS FROM SKIN AND FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. USE SOAP IF AVAILABLE OR FOLLOW BY WASHING WITH SOAP AND WATER. DO NOT REUSE CLOTHING UNTIL THOROUGHLY CLEANED. GET MEDICAL ATTENTION.
Inhalation: REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.
Ingestion: INDUCE VOMITING. RINSE MOUTH WITH WATER. IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER OR MILK AND GET IMMEDIATE MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON!

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point (°F) NOT APPLICABLE
Extinguishing Media USE MEDIA APPROPRIATE FOR SURROUNDING MATERIALS.

**Special Firefighting
Procedures/Precuations**

WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. EVACUATE NON-ESSENTIAL PERSONNEL. TOXIC FUMES MAY BE RELEASED.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

For Spill: PROMPTLY SWEEP UP WITH MINIMAL DUSTING AND SHOVEL INTO AN EMPTY CONTAINER AND CLOSE. CONTINUOUSLY SPRAY RESIDUE WITH PLENTY OF WATER. PROVIDE VENTILATION TO CLEAR SULFUR DIOXIDE FUMES WHICH MAY BE GENERATED.

SECTION 7 - HANDLING AND STORAGE

Keep container tightly closed when not in use. Store in a cool, dry, well-ventilated area, away from heat and incompatible materials. Protect containers from physical damage.

KEEP AWAY FROM ACIDS OR OXIDIZING AGENTS. STORE IN A COOL, DRY, WELL-VENTILATED SPACE AWAY FROM ACIDS & OXIDIZERS.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

- Respiratory Protection** USE A NIOSH/MSHA APPROVED RESPIRATOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS WHERE DUST OR MIST MAY BE GENERATED.
- Ventilation** LOCAL AND MECHANICAL RECOMMENDED.
- Protective Gloves** CHEMICAL IMPERVIOUS GLOVES.
- Eye/Face Protection** CHEMICAL SAFETY GOGGLES AND/OR FULL-FACE SHIELD.
- Other Protection** CHEMICAL RESISTANT CLOTHING SUCH AS COVERALLS/APRON, BOOTS, ETC.
- Work Practices** USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. PROMPTLY REMOVE SOILED CLOTHING AND WASH THOROUGHLY BEFORE REUSE. SHOWER AFTER WORK USING PLENTY OF SOAP AND WATER.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (°F):	DECOMPOSES	Vapor Pressure (mmHg):	NOT ESTABLISHED.
Freezing Point (°F):	NOT ESTABLISHED	Vapor Density (Air=1):	NOT ESTABLISHED.
Solubility (H2O):	28% AT 93 deg f	Specific Gravity (H2O=1):	2.63
pH	8-10	Evaporation Rate:	NOT DETERMINED
Appearance/Odor:	WHITE TO PALE YELLOW GRANULAR CRYSTALS OR POWDER WITH NO APPRECIABLE ODOR.		

SECTION 10 - STABILITY AND REACTIVITY

- Chemical Stability:** YES
- Incompatible Material:** ACIDS AND STRONG OXIDIZERS, HIGH TEMPERATURES (AT DECOMPOSITION): YIELD SULFUR DIOXIDE GAS AND HAZARDOUS RESIDUE.
- Hazardous Polymerization:** WILL NOT OCCUR.
- Decomposition Products:** SULFUR DIOXIDE GAS: TOXIC AND CORROSIVE. SODIUM SULFIDE RESIDUE: FLAMMABLE, DANGEROUS FIRE RISK, STRONG IRRITANT TO SKIN & TISSUE, INCOMPATIBLE WITH ACIDS.

SECTION 11 - TOXICITY INFORMATION

NO DATA AVAILABLE.

SECTION 12 - ECOLOGICAL INFORMATION

AQUATIC TOXICITY: 2600 PPM/24, 48, 96 HR/MOSQUITO FISH/FRESH WATER BOD: 0.12 LB/LB INSTANTANEOUS

SECTION 13 - DISPOSAL CONSIDERATIONS

DO NOT DISCHARGE INTO WATERWAYS OR SEWER SYSTEMS WITHOUT PRIOR APPROVAL.
DISPOSE OF WASTE MATERIALS ACCORDING TO ALL FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION 14 - TRANSPORT INFORMATION

USA DOT Shipping Name: NOT REGULATED

Hazard Class:

UN/NA Number:

Packing Group:

Subsidiary Hazard:

Marine Pollutant: NO

SECTION 15 - REGULATORY INFORMATION

CERCLA RQ (lbs): NOT APPLICABLE

SARA Title III Section 312:

Acute **Chronic** **Flammable** **Sudden Release of Pressure** **Reactive**

SARA Title III Section 313: No

SARA Extremely Hazardous Substance: No

HMIS HAZARD RATING

Health: 2	Fire: 1	Reactivity: 1		
0 - Least	1 - Slight	2 - Moderate	3 - High	4 - Extreme

SECTION 16 - OTHER INFORMATION

EPA Pesticide Registration Number: NOT APPLICABLE

NSF Maximum Use Level for Potable Water (Standard 60): NOT APPLICABLE

TSCA (Toxic Substance Control Act), 40 CFR 710:

Sources of the raw materials used in this mixture assure that all chemical ingredients present are in compliance with Section 8(b) Chemical Substance Inventory, or are otherwise in compliance with TSCA.

DISCLAIMER

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