



MATERIAL SAFETY DATA SHEET

5100 W. Henrietta Rd.
West Henrietta, NY 14586
TEL: (866) 260-9501

9435503
9435507 9435804
MSDS No. 9435806 9435906
Effective Date: December 1, 2005

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Sodium Thiosulfate, Anhydrous	416-984-3000		Health	0
Chemical Synonyms	Sodium Hyposulfite			Flammability	0
Formula	Na ₂ S ₂ O ₃	HAZARD RATING		Reactivity	1
CAS No.	7772-98-7			Minimal 0 Slight 1 Moderate 2 Serious 3 Severe 4	WHMIS

SECTION II DANGEROUS INGREDIENTS

Name	%	TLV Units
Sodium thiosulfate, anhydrous	100%	N/A
CAUTION!		

SECTION III PHYSICAL DATA

Melting Point (°C)	48°C	Specific Gravity (H ₂ O = 1)	1.667 @ 20°C
Boiling Point (°C)	Decomposes > 100°C	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Negligible.	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	33 g/100 ml water @ 0°C		
Appearance & Odor	White crystals; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point	Non-flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Firefighting Procedures	Use dry chemical, CO ₂ , alcohol foam, or water spray. In fire conditions, fire-fighters should wear an appropriate mask or a self-containing breathing apparatus.				

Flammability and Explosion Hazards

Fire or excessive heat may produce hazardous decomposition products to be produced as dust or fume.

TDG Not controlled under TDG.

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SECTION V REACTIVITY DATA

SS0882

Chemical Stability	Yes	X	If no, under what conditions?
Incompatible with Other products	Yes	X	Strong oxidizers, acids.
	No		

Hazardous Decomposition Products	Sulfur dioxide gas, sodium sulfide residue.
Reactive under what conditions	Reacts with oxidizers to cause exothermic reaction. Reacts with acids to yield sulfur dioxide gas.

SECTION VI TOXICOLOGICAL PROPERTIES

Route of Entry	Inhalation. Ingestion.
TLV	N/A
Toxicity for animals	N/A
Chronic effects on humans	Repeated or prolonged exposure to the substance can produce target organ damage. Target organs: None known.
Acute effects on humans	May be harmful if inhaled, swallowed. May cause eye irritation, skin irritation.

SECTION VII PREVENTIVE MEASURES

Waste Disposal	Discharge, treatment, or disposal may be subject to local laws. Consult your local or regional authorities.
Storage	Keep container dry. Keep in a cool place. Keep container tightly closed. Keep away from acids, oxidizers.
Precautions	Avoid contact with skin and eyes. DO NOT breathe dust. DO NOT ingest. If ingested, seek medical advice immediately.
Spill or leak	Use appropriate tools to put the spilled solid in a convenient waste disposal container.
Protective Clothing	Safety glasses, lab coat, dust respirator, gloves.

SECTION VIII FIRST AID MEASURES

Specific first aid measures	Ingestion: Call physician or Poison Control Center immediately. Induce vomiting only if advised by the appropriate medical personnel. Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention. Skin contact: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Inhalation: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Allow victim to rest in a well ventilated area. Seek immediate medical attention.
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SECTION IX PREPARATION OF THE MSDS

Rev. No. 2 Date December 1, 2005 Approved Michael Raszeja