

**THATCHER COMPANY MATERIAL SAFETY DATA SHEET****PRODUCT: SODIUM THIOSULFATE SOLUTION****Page 1 of 3**

MSDS Date: May 12, 2003

Emergency Contact: 1-800-424-9300

**SECTION I****PRODUCT NAME:** Sodium Thiosulfate Solution**CHEMICAL NAME:** Sodium Thiosulfate Solution**DOT SHIPPING INFORMATION:** Not DOT regulated**SECTION II - HAZARDOUS INGREDIENTS**

This material contains no ingredients which are known by Thatcher Company to be hazardous unless listed below.

HAZARDOUS MATERIAL	CAS NUMBER	w/w %	EXPOSURE LIMITS IN AIR
Sodium thiosulfate	7772-98-7		None determined

The specific identity of some ingredients may be withheld for confidential business purposes. However, all known potential health effects from exposure to these ingredients are being addressed.

**NFPA HAZARDOUS RATING:** Health = 1 Flammability = 0 Reactivity = 0**SECTION III - PHYSICAL DATA****BOILING POINT (F):** About 212 F**SPECIFIC GRAVITY:** 1.27**VAPOR PRESSURE (mm Hg):** Essentially water**% VOLATILE, BY VOLUME:** N/A**VAPOR DENSITY (air = 1):** Essentially water**EVAPORATION RATE:** N/A**SOLUBILITY IN WATER:** Complete**APPEARANCE AND ODOR:** Clear, colorless solution**SECTION IV - FIRE AND EXPLOSION DATA****FLASH POINT:** Nonflammable**FLAMMABLE LIMITS:**

Lel: N/A Uel: N/A

**EXTINGUISHING MEDIA:**

Use any.

**SPECIAL FIRE-FIGHTING PROCEDURES:**

Wear self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

When sodium thiosulfate decomposes it releases poisonous sulfur dioxide gas.



### SECTION V - REACTIVITY DATA

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:**

Will not occur.

**CONDITIONS OR MATERIALS TO AVOID:**

Acids, oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

When heated to decomposition will release sulfur dioxide fumes.

### SECTION VI - HEALTH HAZARD DATA

**CARCINOGENIC LISTING:**

NTP: No ingredients listed in this section.

IARC MONOGRAPHS: No ingredients listed in this section.

OSHA 29 CFR 1910: No ingredients listed in this section.

**ENTRY ROUTES & EFFECTS OF OVEREXPOSURE:**

**Contact:** Can cause irritation to the skin and eyes.

**Ingestion:** Ingestion of large amounts can cause gastrointestinal irritation.

**STATEMENT OF PRACTICAL TREATMENT:**

**Contact:** Wash exposed area thoroughly with soap and water. For eyes, flush for at least 15 minutes with cool water. If irritation persists, consult a physician.

**Ingestion:** If conscious, give several glasses of milk or water and induce vomiting. Get immediate medical attention.

### SECTION VII - SPECIAL PRECAUTIONS

**HANDLING AND STORAGE PRECAUTIONS:**

Avoid contact with skin and eyes. Do not take internally. Store in a cool, dry area. Keep containers tightly closed.

**STEPS TO BE TAKEN IF MATERIAL SPILLS OR LEAKS:**

Dike the liquid and recover as much as possible into drums. Flush the residue to the drains with plenty of water, if permitted by local, state and federal regulations.

**WASTE DISPOSAL METHOD:**

Not an EPA hazardous waste. Dispose of at an approved landfill or waste disposal facility. Comply with all local, state and federal regulations.



**SECTION VIII - SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION:**

None normally required.

**VENTILATION:**

Maintain adequate ventilation.

**EYE PROTECTION:**

Chemical goggles.

**SKIN PROTECTION:**

Rubber gloves.

**OTHER PROTECTIVE EQUIPMENT:**

As needed to avoid contact with skin and eyes.

**ACGIH** = American Conference of Governmental Industrial Hygienists

**CL** = Ceiling Level

**IARC** = International Agency for Research on Cancer: Monographs

**OSHA** = Occupational Safety and Health Administration

**N/A** = Not Applicable

**NTP** = National Toxicology Program: Annual Report on Carcinogens

**PEL** = Permissible Exposure Level (OSHA)

**TLV** = Threshold Limit Value (ACGIH)

**TWA** = Time Weighted Average over 8 Hours

**STEL** = Short Term Exposure Limit (ACGIH)

**ND** = Not Determined

This information is, to the best of our knowledge, accurate but may not be complete. THATCHER COMPANY furnishes this information in good faith, but without warranty, representation or guarantee of its accuracy, completeness, or reliability.