

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

MSDS Date: February 10, 2010
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.



THATCHER COMPANY MATERIAL SAFETY DATA SHEET

PRODUCT: SODIUM THIOSULFATE SOLUTION

Page 2 of 3

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.



THATCHER COMPANY MATERIAL SAFETY DATA SHEET

PRODUCT: SODIUM THIOSULFATE SOLUTION

Page 3 of 3

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.

Donna Shaw

From: Nicole Bourland [nicoleb@us.grtbasin.com]
Sent: Wednesday, August 03, 2011 3:36 PM
To: Donna Shaw
Subject: Peroxide PO #36659

Donna,

(10) totes of peroxide for delivery to the Esmeralda Mill. Please advise when they can be delivered. Thank you.

Regards,

Nicole Bourland
Purchasing Agent
Email: nicoleb@us.grtbasin.com
Tel: 1 775 623-5760 Ext. 135
Fax: 1 775 623-5767
Mobile: 1 775 304 9455



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For further information about Great Basin Gold Limited please see our website at www.grtbasin.com or refer to any Great Basin Gold Limited office.

8/3/2011