

MSDS

SODIUM THIOSULFATE 0.001 - 0.10 Normal Aqueous Solutions.

## Material Safety Data Sheet

### Section 1: Chemical Product and Company Identification

<b>Catalog Number:</b> 7878, 7879, 7879.5, 7890, 7892, 7895, 7897, 7900, 7914, 7915, 7925, 7940, 7941, 7945, 7946, 7950, R7885000, R7913000, R79500UL, S088500, S088540, S088580, S088590, S088620, SS088500, SS088530, SS088540, SS088580, SS088590, SS088620, TXRC7950-1ANP, TXRC7950-32AP	
<b>Product Identity:</b> SODIUM THIOSULFATE 0.001 - 0.10 Normal Aqueous Solutions.	
<b>Manufacturer's Name:</b> RICCA CHEMICAL COMPANY LLC	<b>Emergency Contact(24 hr) -- CHEMTREC®</b> Domestic: 800-424-9300 International: 703-527-3887
<b>CAGE Code:</b> 0V553	
<b>Address:</b> 448 West Fork Dr Arlington, TX 76012	<b>Telephone Number For Information:</b> 817-461-5601
<b>Date Prepared:</b> 5/24/99	<b>Revision: 12</b> Last Revised: 06/08/2006 Date Printed: 08/31/2006 12:10:23 pm

### Section 2. Composition/Information on Ingredients

Component	CAS Registry #	Concentration	ACGIH TLV	OSHA PEL
Sodium Thiosulfate Pentahydrate	10102-17-7	<3	Not Available Not Available	Not Available Not Available
Sodium Carbonate	497-19-8	<0.1	Not Available Not Available	Not Available Not Available
Water, Deionized	7732-18-5	Balance	Not Available Not Available	Not Available Not Available
Preservative	Proprietary	< 0.5	Not Available Not Available	Not Available Not Available

### Section 3: Hazard Identification

**Emergency Overview:** May be irritating to the eyes and skin. Wash areas of contact with water. Non-flammable, non-toxic, non-corrosive. Does not present any significant health hazards. If ingested, dilute with water and call a physician if necessary.

**Target Organs:** eyes, skin

**Eye Contact:** May cause slight irritation.

**Inhalation:** May cause mild irritation to the respiratory tract.

**Skin Contact:** May cause slight irritation.

**Ingestion:** Large dose may cause stomach upset.

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**Chronic Effects/Carcinogenicity:** None

**IARC** - No.

**NTP** - No.

**OSHA** - No.

**Reproductive Information:** Reproductive effects cited in 'Registry of Toxic Effects of Chemical Substances' for Sodium Carbonate.

**Teratology (Birth Defect) Information:** Not Applicable.

### Section 4: First Aid Measures - In all cases, seek qualified evaluation.

**Eye Contact:** Irrigate immediately with large quantity of water for at least 15 minutes. Call a physician if irritation develops.

**Inhalation:** Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

**Skin Contact:** Flush with plenty of water for at least 15 minutes. Call a physician if irritation develops.

**Ingestion:** Dilute with water or milk. Call a physician if necessary.

### Section 5: Fire Fighting Measures

**Flash Point:** Not Available.

**Method Used:** Not Available.

**LFL:** Not Available.

**UFL:** Not Available.

**Extinguishing Media:** Use any means suitable for extinguishing surrounding fire.

**Fire & Explosion Hazards:** Not considered to be a fire or explosion hazard.

**Fire Fighting Instructions:** Use normal procedures/instructions.

**Fire Fighting Equipment:** Use protective clothing and breathing equipment appropriate for the surrounding fire.

### Section 6: Accidental Release Measures

Collect liquid and dilute with water. Release to drain if local regulations allow. For larger spills, absorb with suitable material (vermiculite, clay, etc.). Collect the solid residue and save for disposal.

### Section 7: Handling and Storage

As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage.

**Safety Storage Code:** General

### Section 8: Exposure Control/Personal Protection

**Engineering Controls:** No specific controls are needed. Normal room ventilation is adequate.

**Respiratory Protection:** Normal room ventilation is adequate.

**Skin Protection:** Chemical resistant gloves.

**Eye Protection:** Safety glasses or goggles.

### Section 9: Physical and Chemical Properties

**Appearance:** Clear, colorless liquid

**Odor:** Odorless to slight solvent odor

**Solubility in Water:** Infinite

**Specific Gravity:** Approximately 1.0 - 1.2

**pH:** Not Available.

**Boiling Point(°C):** Approximately 100

**Melting Point(°C):** Approximately 0

**Vapor Pressure:** Not Applicable.

### Section 10: Stability and Reactivity

**Chemical Stability:** Stable under normal conditions of use and storage. All Thiosulfate solutions are subject to some bacterial contamination and slow chemical deterioration.

**Incompatibility:** Metal Nitrates, Sodium Nitrite, Iodine, Acids, Lead, Mercury, and Silver salts.

**Hazardous Decomposition Products:** Oxides of Sodium and Sulfur.

**Hazardous Polymerization:** Will not occur.

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**Section 11. Toxicological Information**

No LD50 information found.

**Section 12. Ecological Information****Ecotoxicological Information:** No information found.**Chemical Fate Information:** No information found.**Section 13. Disposal Considerations**

Dilute with water, then flush to sewer if local regulations allow. If not allowed, save for recovery or recycling in an approved waste disposal facility. Always dispose of in accordance with local, state and federal regulations.

**Section 14. Transport Information**

Part Numbers:

This product is not regulated.

**Section 15. Regulatory Information (Not meant to be all inclusive - selected regulation represented)****OSHA Status:**The above items either do not contain any specifically hazardous material or the potentially hazardous material is present in such low concentration that the items do not present any immediate threat to health and safety. These items do not meet the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of a hazardous material.**TSCA Status:**All components of this solution are listed on the TSCA Inventory or are mixtures (hydrates) of items listed on the TSCA Inventory.

Sara Title III:

**Section 302 Extremely Hazardous Substances:**Not Applicable.**Section 311/312 Hazardous Categories:**No**Section 313 Toxic Chemicals:**Not Applicable.**California:** None Reported.**Pennsylvania:** None Reported.**RCRA Status:** Not Applicable.**CERCLA Reportable Quantity:** None Reported.**WHMIS:** Not Applicable.**Section 16. Other Information**

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## NFPA Ratings:

Health: 1                      Flammability: 0                      Reactivity: 0                      Special Notice Key:None

## HMIS Ratings:

Health: 1                      Flammability: 0                      Reactivity: 0                      Protective Equipment:B (Protective Eyewear, Gloves)

Rev 1, 9-26-2000: Reformatted from WordPerfect® to Microsoft Word®; (Section 1) Revised emergency telephone number to CHEMTREC® 800-424-9300, added catalog numbers 7914 and 7915; (Section 10) added stability statement; (Section 15) added TSCA hydrate statement.

Rev 2, 10-09-2001: Reformatted to electronic data format.

Rev 3, 10-22-2002: (Section 1) added Solutions Plus catalog number S088540.

Rev 4, 09-03-2003: (Section 1) added Solutions Plus catalog number S088500.

Rev 5, 09-15-2003: (Section 1) added Solutions Plus catalog number S088620.

Rev 6, 01-30-2004: (Section 1) added Solutions Plus catalog number S088580.

Rev 7, 03-09-2004: (Section 1) added catalog numbers TXRC7950-1ANP and TXRC7950-32AP.

Rev 8, 06-25-2004: (Section 1) added Solutions Plus catalog number S088590.

Rev 9, 07-29-2004: (Section 1) added Solutions Plus catalog number S088530.

Rev 10, 03-25-2005: (Section 1) added catalog number R7913000.

Rev 11, 06-28-2005: (Section 1) added catalog number R7885000.

Rev 12, 06-08-2006: (Section 1) added catalog number R79500UL.

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and RICCA CHEMICAL COMPANY assumes no legal responsibility or liability whatsoever resulting from its use.