

MSDS

TURBIDITY STANDARDS, FORMAZIN SUSPENSIONS, (100 - 4000 NTU)

Material Safety Data Sheet

Section 1: Chemical Product and Company Identification

Catalog Number: 8820, 8825, 8830, R8807000, R8829000, ST106300, T106300	
Product Identity: TURBIDITY STANDARDS, FORMAZIN SUSPENSIONS, (100 - 4000 NTU)	
Manufacturer's Name: RICCA CHEMICAL COMPANY LLC	Emergency Contact(24 hr) -- CHEMTREC® Domestic: 800-424-9300 International: 703-527-3887
CAGE Code: 4TCW6, 0V553, 4XZQ2	
Address: 448 West Fork Dr Arlington, TX 76012	Telephone Number For Information: 817-461-5601
Date Prepared: 1/17/00	Revision: 5 Last Revised: 06/27/2005 Date Printed: 10/08/2008 7:56:27 am

Section 2. Composition/Information on Ingredients

Component	CAS Registry #	Concentration	ACGIH TLV	OSHA PEL
Hexamethylenetetramine (Hexamine)	100-97-0	0.1 - 10	Not Available Not Available	Not Available Not Available
Hydrazine Sulfate	10034-93-2	0.01 - 1.0	Not Available Not Available	Not Available Not Available
Water, Deionized	7732-18-5	Balance	Not Available Not Available	Not Available Not Available

Section 3: Hazard Identification

Emergency Overview: Formazin suspensions can contain residual Hydrazine Sulfate, which is a carcinogen. May affect kidneys and liver. Wash areas of contact with water. If ingested, dilute with water, induce vomiting and call a physician.

Target Organs: eyes, skin, liver, kidneys.

Eye Contact: May cause irritation, redness, pain, and tearing.

Inhalation: Not likely to be hazardous by inhalation.

Skin Contact: May cause irritation, redness, and pain.

Ingestion: Large doses may cause stomach upset, headache and convulsions.

Chronic Effects/Carcinogenicity: None

IARC - No.

NTP - Hydrazine Sulfate - - Substances or groups of substances, and medical treatments which may reasonably be anticipated to be carcinogens.

OSHA - No.

MSDS

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Reproductive Information: Not Applicable.

Teratology (Birth Defect) Information: Mutation data cited in 'Registry of Toxic Effects of Chemical Substances' for Hydrazine Sulfate. Mutation data cited in 'Registry of Toxic Effects of Chemical Substances' for Hexamethylenetetramine (Hexamine).

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 immediately with water or milk. Induce vomiting. Call a physician.

Section 5: Fire Fighting Measures

Flash Point: Not Available.

LFL: 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.

Method Used: Not Available.

UFL: Not Available.

Section 6: Accidental Release Measures

Absorb with suitable material and dispose of in accordance with local regulations.

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. Store at room temperature.

Safety Storage Code: Health

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: Hazy to milky white suspension

Odor: Odorless

Solubility in Water: Infinite

Specific Gravity: Approximately 1.0

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.

Incompatibility: Strong Oxidizing Agents, metals, metal oxides, acids.

Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide, Sulfur Oxides, Nitrogen Oxides and Formaldehyde may form when heated to decomposition.

Hazardous Polymerization: Will not occur.

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Section 11. Toxicological Information

LD50, Oral, Rat: 601 mg/kg (Hydrazine Sulfate), details of toxic effects not reported other than lethal dose value. LD50, Oral, Rat: Not available for Hexamethylenetetramine.

Section 12. Ecological Information

Ecotoxicological Information: No information found.

Chemical Fate Information: No information found.

Section 13. Disposal Considerations

Dilute with water and 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: These items 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: Acute, Chronic: Yes Fire, Pressure, Reactivity: No

Section 313 Toxic Chemicals: Not Applicable.

California: Contains an ingredient (Hydrazine Sulfate) known to the state of California to cause cancer.

Pennsylvania: Hydrazine Sulfate is listed as both Special and Environmental Hazards on the state's Hazardous Substances List.

RCRA Status: Not Applicable.

CERCLA Reportable Quantity: None Reported.

WHMIS: D-2B: Poisonous and Infectious Material. Materials causing other toxic effects - Toxic Material.



Section 16. Other Information

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

Rev 2, 04-02-2002: (Section 1) added catalog number 8820; (Section 7) added "Store at room temperature".

Rev 3, 02-10-2004: (Section 1) added Solutions Plus catalog number T106300.

Rev 4, 06-18-2004: (Section 1) revised title, added catalog number R8807000; (Section 2) revised concentration ranges.

Rev 5, 06-27-2005: (Section 1) added catalog number R8829000.



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For RICCA, SpectroPure, Red Bird, and Solutions Plus Brands
Emergency Contact(24 hr) -- CHEMTREC®
Domestic: 800-424-9300
International: 703-527-3887

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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.