

MSDS

Material Safety Data Sheet

Section 1: Chemical Product and Company Identification

Catalog Number: 3500	
Product Identity: HAYEM DILUTING FLUID	
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: 10/19/00	Revision: 2 Last Revised: 04/18/2005 Date Printed: 09/28/2012 1:12:20 pm

Section 2. Composition/Information on Ingredients

Component	CAS Registry #	Concentration	ACGIH TLV	OSHA PEL
Mercuric Chloride	7487-94-7	0.2-0.3	Not Available 0.025 mg/m3	Not Available C 0.1 mg/m3
Sodium Chloride	7647-14-5	0.4-0.6	Not Available Not Available	Not Available Not Available
Water, Deionized	7732-18-5	Balance	Not Available Not Available	Not Available Not Available
Sodium Sulfate	7757-82-6	2 - 3	Not Available Not Available	Not Available Not Available

Section 3: Hazard Identification

Emergency Overview: This product contains a small amount of Mercuric Chloride, a toxic substance. Prolonged or repeated exposure to this product may be hazardous. Avoid ingestion or contact with eyes, skin, or clothing. If ingested, give large quantity of water and induce vomiting. Call a physician. Wash areas of contact with plenty of water. For eyes, get medical attention.

Target Organs: eyes, skin, central nervous system, kidneys, liver, gastrointestinal tract.

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

Inhalation: Not likely to be hazardous by inhalation.

Skin Contact: May cause slight irritation.

Ingestion: Large doses may cause nausea and general gastrointestinal upset.

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Chronic Effects/Carcinogenicity: Prolonged or repeated exposure may cause dermatitis.

IARC - Mercuric Chloride is unclassifiable as to carcinogenicity to humans. Mercuric Chloride is unclassifiable as to carcinogenicity to humans.

NTP - No.

OSHA - No.

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

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

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.

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

Do not flush to sewer. Absorb with suitable material. Containerize for disposal with a hazardous waste disposal facility. 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: Clear, colorless liquid

Odor: Odorless

Solubility in Water: Infinite

Specific Gravity: Approximately 1

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: Aluminum and magnesium with heat.

Hazardous Decomposition Products: Poisonous gases, including oxides of Mercury, Sodium and Sulfur, may be emitted during fire.

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Hazardous Polymerization: Will not occur.

Section 11. Toxicological Information

LD50, Oral, Mouse: (Sodium Sulfate) 5989 mg/kg, details of toxic effects not reported other than lethal dose value .

LD50, Oral, Rat: (Sodium Chloride) 3000 mg/kg, (Mercuric Chloride) 1 mg/kg, details of toxic effects not reported other than lethal dose value .

Section 12. Ecological Information

Ecotoxicological Information: The Mercury is expected to be toxic to aquatic life.

Chemical Fate Information: The Mercury is expected to significantly bioaccumulate.

Section 13. Disposal Considerations

Do not flush to drain. Containerize for proper disposal in a RCRA approved hazardous 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:No

Section 313 Toxic Chemicals:Not Applicable.

California: None Reported.

Pennsylvania: Sodium Sulfate is listed as an Environmental Hazard on the state's Hazardous Substances List. Mercuric Chloride is listed as an Environmental Hazard on the state's Hazardous Substances List. Mercuric Chloride is listed as an Environmental Hazard on the state's Hazardous Substances List. Sodium Sulfate is listed as an Environmental Hazard 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, 04-18-2005: (Section 2) corrected concentration range of Sodium Sulfate from 2.3.



MSDS

For RICCA, SpectroPure, Red Bird, and Solutions Plus Brands

Emergency Contact(24 hr) -- CHEMTREC®

Domestic: 800-424-9300

International: 703-527-3887

HAYEM DILUTING FLUID

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.