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

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

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.
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.

**Method Used:** 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.
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)

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.


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.
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.