Material Safety Data Sheet

Section 1: Chemical Product and Company Identification

Catalog Number: 2752.32

Manufacturer’s Name: RICCA CHEMICAL COMPANY LLC

Emergency Contact: CHEMTREC®
Domestic: 800-424-9300
International: 703-357-3887

CAGE Code: 4706V, 0V55S, 4KZQ2

Address: 440 West Fork Dr
Arlington, TX 76012

Date Prepared: JUN 2010

Revision: 15

Last Revised: 06/04/2010

Date Printed: 12/29/2010 at 8:25:50 am

Section 2: Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS Registry #</th>
<th>Concentration</th>
<th>GHS H303</th>
<th>GHS PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lithium perchlorate (LPC)</td>
<td>1344-89-6</td>
<td>5%</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>Water, Deionized</td>
<td>7732-10-6</td>
<td>Balance</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

Section 3: Hazard Identification

Emergency Overview: Maintain a work area free of ignition sources. When working with perchloric acid, wear appropriate protective clothing and equipment. Breathing of perchloric acid fumes may cause headaches and dizziness. Avoid contact with skin and eyes. Seek medical attention immediately if perchloric acid is swallowed, inhaled or enters the eye. Do not store in the vicinity of other strong acids. Do not use with organic solvents.

Eye Contact: May cause severe eye irritation. Inhibit vision. Not likely to be hazardous by ingestion. Skin Contact: May cause skin irritation. Ingestion: May cause severe irritation. Chronic Effects/Carcinogenicity: None.

Section 4: First Aid Measures

Inhalation: Not likely to be hazardous by ingestion. Inherit vision. Not likely to be hazardous by ingestion.

Skin Contact: May cause skin irritation. Ingestion: May cause severe irritation. Chronic Effects/Carcinogenicity: None.

Section 5: Fire Fighting Measures

Fire Extinguishing Media: Water雾化. Chemicals. Flowable agents. Water should be used to extinguish a fire in the vicinity of other strong acids.

Reported Vapors Not Available

Section 6: Accidental Release Measures

Spill Clean-Up Procedures: The spill area should be vacuumed with a HEPA filter. Wear appropriate protective clothing and equipment. Avoid contact with skin and eyes. Seek medical attention immediately if perchloric acid is swallowed, inhaled or enters the eye. Do not store in the vicinity of other strong acids. Do not use with organic solvents.

Safety Storage: General

Section 7: Handling and Storage

Avoid inhalation. Wear appropriate protective clothing and equipment. Avoid contact with skin and eyes. Seek medical attention immediately if perchloric acid is swallowed, inhaled or enters the eye. Do not store in the vicinity of other strong acids. Do not use with organic solvents.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: No specific controls are needed. Normal work ventilation is adequate. Respiratory Protection: Normal work ventilation is adequate.

PPE: Chemical resistant gloves. Eye Protection: Safety glasses or goggles.

Section 9: Physical and Chemical Properties


Section 10: Stability and Reactivity

Chemical Stability: Stable under normal conditions of use and storage. Incompatibility: Copper, aluminum and processed materials. Hazardous Decomposition Products: Burning may produce Carbon Monoxide, Carbon Dioxide and Hydrogen Chloride. Hazardous Polymerization: Not applicable.

Section 11: Toxicological Information

LD₅₀: Oral (Mouse): 5000 mg/kg. LC₅₀: Not applicable. Contact irritation. Not applicable. Contact irritation.

Section 12: Ecological Information

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Section 13. Disposal Considerations

Determine the waste classification. When hazardous waste are generated, it is the responsibility of the generator to determine the appropriate disposal method. 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 regulations represented)

OSHA Status: The above items either do not contain any specifically hazardous material or the presumably 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 solvent are listed on the TSCA Inventory or are mixtures (polymer) or mixtures listed on the TSCA Inventory.

Sara Title III Section 302 Extremely Hazardous Substance Not Applicable

Section 311/312 Hazardous Chemicals Not Applicable

Section 313 Toxic Chemicals Not Applicable

California - Proposition 65

Propylene Glycol (2000 pounds)

Section 16. Other Information

NFPA Ratings

Health 1 Flammability 0 Reactivity 0 Special Necessity No

HSD Ratings

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