



## MSDS

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

Emergency Contact (24 hr) -- CHEMTREC®

Domestic: 800-424-9300

International: 703-527-3887

HYDROQUINONE SOLUTION

# Material Safety Data Sheet

### Section 1: Chemical Product and Company Identification

<b>Catalog Number:</b> 3865, SH045200	
<b>Product Identity:</b> HYDROQUINONE SOLUTION	
<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> 10/25/00	<b>Revision: 1</b>  Last Revised: 09/25/2001 Date Printed: 11/01/2006 8:52:22 am

### Section 2. Composition/Information on Ingredients

Component	CAS Registry #	Concentration	ACGIH TLV	OSHA PEL
Hydroquinone	123-31-9	0.9 - 1.1	Not Available	Not Available
			2 mg/m3	2 mg/m3
Water, Deionized	7732-18-5	Balance	Not Available	Not Available
			Not Available	Not Available

### Section 3: Hazard Identification

**Emergency Overview:** Contact may cause eye irritation or allergic skin reaction. Wash areas of contact with plenty of water. Contains Hydroquinone, which is considered toxic according to OSHA. If ingested, dilute with water. Do not induce vomiting. Call a physician. For eyes, get medical attention.

**Target Organs:** eyes, skin, respiratory system, central nervous system, bladder.

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

**Inhalation:** May cause irritation to the nose, throat and respiratory tract.

**Skin Contact:** May cause irritation and dermatitis.

**Ingestion:** May cause abdominal pain, nausea, vomiting, ringing in the ears, dizziness, muscle twitching, headache, changes in the color of urine to green or brownish-green.

**Chronic Effects/Carcinogenicity:** Prolonged exposure can cause damage to the eyes.

**IARC** - Hydroquinone 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 Hydroquinone.



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

### 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. Do not induce vomiting. 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

Absorb with suitable material (paper towels, etc.) and treat as normal refuse if local regulations allow. Liquid may be flushed to the sewer. Always dispose of in accordance with local, state and federal 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. Protect from light.

**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

**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:** Strong Oxidizing Agents, Strong Bases.

**Hazardous Decomposition Products:** When heated to decomposition, can emit toxic fumes of Carbon Monoxide, Carbon Dioxide, and Quinone.

**Hazardous Polymerization:** Will not occur.

### Section 11. Toxicological Information

LD50, Oral, Rat: 320 mg/kg (Hydroquinone), behavioral effects noted.



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### Section 12. Ecological Information

**Ecotoxicological Information:** Hydroquinone has high acute and chronic toxicity to aquatic life and has caused germination decrease in agricultural crops.

**Chemical Fate Information:** Hydroquinone is slightly persistent in water, with a half-life between 2 and 20 days.

### Section 13. Disposal Considerations

Dilute with water and flush down the drain with plenty of water if allowed by local regulations. If not allowed, save for recovery or recycling in an approved waste disposal facility. Always comply 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:** None Reported.

**Pennsylvania:** Hydroquinone is listed as an Environmental Hazard on the state's Hazardous Substances List.

**RCRA Status:** Not Applicable.

**CERCLA Reportable Quantity:** Hydroquinone - 100 pounds.

**WHMIS:** Not Applicable.

### 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)





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Rev 1, 10-09-2001: Reformatted to electronic data format.

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.