

AUG 2 1 2012



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

MSDS

EDTA, 0.001 - 0.115 Molar Aqueous Solutions, <5% (w/v) Aqueous Solutions

Material Safety Data Sheet

Section 1: Chemical Product and Company Identification

<p>7663, 2645, 2687, 2688, 2692, 2694, 2697, 2700, 2702, 2703, 2705, 2706, 2710, 2720, 2732, 2739, 2749, E-100, E-109, E-112, E-116, E-123, E-125, E-130, E-132, E-133, E-135, E-210, E-240, E032140, E032180, E032200, E032201, EX-912, EX-913, EX-922, EX-929, EX-934, EX-946, SE032140, SE032180, SE032200, SE032201, THRC2730, THRC2730-32ANP, THRC273032</p> <p><b>Product Identity:</b> EDTA, 0.001 - 0.115 Molar Aqueous Solutions, &lt;5% (w/v) Aqueous Solutions</p>	<p><b>Manufacturer's Name:</b> RICCA CHEMICAL COMPANY LLC</p> <p><b>CAGE Code:</b> 41CM8, 0V653, 4XZ02</p> <p><b>Address:</b> 448 West Fork Dr Arlington, TX 76012</p> <p><b>Date Prepared:</b> 3/3/09</p>
<p><b>Emergency Contact(24 hr) - CHEMTREC®</b> Domestic: 800-424-9300 International: 703-527-3887</p>	<p><b>Telephone Number For Information:</b> 817-461-5601</p>
<p><b>Revision:</b> 15 Last Revised: 06/04/2009 Date Printed: 12/01/2009 9:32:33 am</p>	

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Section 2: Composition/Information on Ingredients

Component	CAS Registry #	Concentration	ACGIH TLV	OSHA PEL
Ethylenediaminetetraacetic Acid (EDTA)	6381-92-6	<5	Not Available	Not Available
Dioctylmethylenebis(3-dimethylammoniumpropyl) Carbodiimide Cross-Linked Polystyrene Sulfonate	7732-16-5	Balance	Not Available	Not Available
Water, Deionized			Not Available	Not Available

Section 3: Hazard Identification

Emergency Overview: Non-flammable, non-combustible, non-toxic. Does not present any significant health hazards. Wash areas of contact with water.

Target Organs: eyes, skin

Eye Contact: May cause slight irritation

Inhalation: Not likely to be hazardous by inhalation

Skin Contact: May cause slight irritation

Ingestion: Large doses may cause stomach upset. Substance has low toxicity by ingestion

Chronic Effects/Carcinogenicity: None

HMPC - No

NTP - No

OSHA - No

Reproductive Information: Not Applicable



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Teratology (Birth Defect) Information: Mutation data cited in Registry of Toxic Effects of Chemical Substances for Ethylenediaminetetraacetic Acid (EDTA) Dioctylmethylenebis(3-dimethylammoniumpropyl) Carbodiimide Cross-Linked Polystyrene Sulfonate

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: Wash areas of contact with soap and water for at least 15 minutes. Call a physician if irritation develops.

Ingestion: Dilute with water or milk. Call a physician if necessary.

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

UPL: Not Available

Section 6: Accidental Release Measures

Absorb with suitable material and treat as normal refuse. Small amounts of the liquid may be flushed to the drain with excess water. Always 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.

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

Solubility in Water: Infinite

Specific Gravity: Approximately 1

pH: 4 - 6

Boiling Point(TC): Approximately 100

Melting Point(TC): Approximately 0

Vapor Pressure: Not Applicable

Section 10: Stability and Reactivity

Chemical Stability: Stable under normal conditions of use and storage.

Incompatibility: Copper, aluminum and caustic agents.

Hazardous Decomposition Products: Burning may produce Carbon Monoxide, Carbon Dioxide and Nitrogen Oxides.

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

LD50, Oral, Rat: 2000 mg/kg (EDTA, Dioctylmethylenebis(3-dimethylammoniumpropyl) Carbodiimide Cross-Linked Polystyrene Sulfonate)

Section 12: Ecological Information



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Ecotoxicological Information: No information found  
Chemical Fate Information: No information found

**Section 13. Disposal Considerations**

Dispose with water; then flush to sewer. Local regulations allow, if not allowed, send for recovery or recycling in an approved waste disposal facility. Always dispose 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: The above items either do not contain any specifically hazardous material or the potentially 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 solution are listed on the TSCA Inventory or are mixtures (hydrazine) of items listed on the TSCA Inventory.  
SARA Title III:

Section 302 Extremely Hazardous Substances: Not Applicable

Section 311(12) Hazardous Categories: No

Section 313 Toxic Chemicals: Not Applicable

California: None Reported

Pennsylvania: Ethylenediaminetetraacetic Acid (EDTA) Disodium Dihydrate is listed as an Environmental Hazard on the state's Hazardous Substances List. Ethylenediaminetetraacetic Acid (EDTA) Disodium Dihydrate is listed as an Environmental Hazard on the state's Hazardous Substances List.

RCRA Status: Not Applicable.

CERCLA Reportable Quantity: Ethylenediaminetetraacetic Acid (EDTA) Disodium Dihydrate - 5000 pounds. Ethylenediaminetetraacetic Acid (EDTA) Disodium Dihydrate - 5000 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 (Protective Eyewear, Gloves)



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Rev 1, 8-5-99: (Section 1) added Catalog Number 2607

Rev 2, 5-11-2000: Reformatted from WordPerfect to Microsoft Word® (Section 1) Revised emergency telephone number to CHEMTREC® 800-424-9300

Rev 3, 10-09-2001: Reformatted to electronic data format.

Rev 4, 11-12-2001: (Section 1) added catalog number 2739

Rev 5, 09-02-2003: (Section 1) added Solutions Plus catalog number E032180

Rev 6, 09-11-2003: (Section 1) added Solutions Plus catalog numbers E032140 and E032300

Rev 7, 12-22-2003: (Section 1) added Solutions Plus catalog number E032200

Rev 8, 03-09-2004: (Section 1) added catalog number TX6C2730-326NP and TX6C2730-032

Rev 9, 03-20-2005: (Section 1) added catalog number 2740

Rev 10, 10-26-2005: (Section 1) added Red Bird catalog numbers E-115 and EK-912.

Rev 11, 03-30-2006: (Section 1) added Red Bird catalog number E-210

Rev 12, 06-07-2006: (Section 1) added Red Bird catalog number EK-921

Rev 14, 07-06-2007: (Section 1) added Red Bird catalog numbers E-100, E-109, E-112, E-123, E-240, E-X-926, E-X-934, E-X-946

Rev 15, 06-04-2008: (Section 1) added Red Bird catalog number E-133

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.