RICCA CHEMICAL COMPANY

MSDS

Material Safety Data Sheet

Section 1: Chemical Product and Company Identification

Catalog Number:

2234.075, 2235.09, 2236, 2236.02, 2236.03, 2236.04, 2236.05, 2236.06, 2236.07, 2236.08, 2236.09, 2236.10, 2236.11, 2236.12, 2236.14, 2236.141, 2236.15, 2236.19, 2236.21, 2236.22, 2236.24, 2236.25, 2236.26, 2236.31, 2236.35, 2236.47, 2236.49, 2236.51, 2236.52, 2236.53, 2236.54, 2236.58, 2236.60, 2236.65, 2236.65C, 2236.82, 2236.X, 2236.Y, 2237, 2238, 2238.22, 2239, 2239.34, 2240, 2240.42, 2240.45, 2240.47, 2241, 2242, 2242.3, 2243, 2243.12, 2244, 2244.20, 2244.25, 2244.37, 2244.39, 2244.50, 2245, 2245.60, 2245.70, 2245.8, 2245.90, 2246, 2246.10, 2246.12, 2246.13, 2246.14, 2246.17, 2246.70, C-865, R2236035, R2236270, R2236330, R2236400, R2236480, R2236515, R2236527, R2238940, R2242350, R2242900, R2243005, R2243140, R2243150, R2243180, R2244230, R2245830, R2245850, R2246005, R2246115, R2246141, R2246155

Product Identity:
CONDUCTIVITY STANDARDS, 5 - 17,000 Micromhos/cm at 25°C

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: 6/16/98	**Revision:** 31 Last Revised: 12/22/2009 Date Printed: 05/20/2010 4:47:39 pm

Section 2. Composition/Information on Ingredients

Component	CAS Registry #	Concentration	ACGIH TLV	OSHA PEL
Sodium Chloride	7647-14-5	< 1	Not Available Not Available	Not Available Not Available
Water, Deionized	7732-18-5	Balance	Not Available Not Available	Not Available Not Available

Section 3: Hazard Identification

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

Target Organs: eyes, skin

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

Inhalation: Not likely to be hazardous by inhalation.

Skin Contact: May cause irritation, redness, and pain.

Ingestion: Large quantity may cause burning of the throat, nausea, vomiting, and abdominal pain.

Chronic Effects/Carcinogenicity: None

IARC - No.

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 Chloride.

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 Chloride.

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 and dispose of in accordance with local regulations.
Small amounts may be flushed to the sewer with excess water.

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

Odor: Odorless

Solubility in Water: Inifinite

Specific Gravity: Approximately 1 - 1.01

pH: Not Available.

Boiling Point(°C): Approximately 100.1

Melting Point(°C): Approximately (-6) -0

Vapor Pressure: Not Applicable.

Section 10: Stability and Reactivity

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

Incompatibility: Strong oxidizing agents, Lithium, Bromine Trifluoride.

Hazardous Decomposition Products: Oxides of Sodium and fumes of Chlorine may be released when heated to decomposition.

Hazardous Polymerization: Will not occur.

Section 11. Toxicological Information

LD50, Oral, Rat: (Sodium Chloride) 3000 mg/kg, details of toxic effects not reported other than lethal dose value. LD50, Dermal, Rabbit: (Sodium Chloride) >10 gm/kg.

Section 12. Ecological Information

Ecotoxicological Information: No information found

Chemical Fate Information: No information found

Section 13. Disposal Considerations

Dilute with water, then flush to sewer if local regulations allow. If not allowed, save for recovery or recycling in an approved 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: 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 (hydrates) of items listed on the TSCA Inventory.

Sara Title III:

Section 302 Extremely Hazardous Substances: Not Applicable.

Section 311/312 Hazardous Catagories: No

Section 313 Toxic Chemicals: Not Applicable.

California: None Reported.

Pennsylvania: None Reported.

RCRA Status: Not Applicable.

CERCLA Reportable Quantity: None Reported.

WHMIS: Not Applicable.

Section 16. Other Information

NFPA Ratings:

Health: 0	Flammability: 0	Reactivity: 0	Special Notice Key:None

HMIS Ratings:

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

Rev 1, 10-19-98: (Section1) Specified catalog numbers; (Section 16) removed periods from NFPA and HMIS, added ® to HMIS.
Rev 2, 3-18-99: Added catalog numbers 2236.06, 2236.07, 2236.14, 2240.45, 2242, 2244.20, 2244.39, 2245.70 and 2246.17; (Section 11) specified LD50 information is for Sodium Chloride.
Rev 3, 6-14-99: (Section 1) added catalog numbers 2236.03 and 2236.11.
Rev 4, 9-20-2000: Reformatted from WordPerfect® to Microsoft Word®; (Section 1) revised emergency telephone number to CHEMTREC® 800-424-9300, added catalog numbers 2235.09, 2236.51, 2236.52, 2236.54, 2236.60, 2238.22, 2239.34, 2243.12, 2246.12 and 2246.14, Removed catalog numbers 2236.CA, 2236.CC and 2236.CO; (Section 3) Added Mutation data citing; (Section 4) removed note to physician; (Section 7) added storage code.
Rev 5, 10-09-2001: Reformatted to electronic data format.
Rev 6: 12-14-2001: (Section 1) added catalog numbers 2240.47 and 2245.60. Rev 7, 02-06-2002: (Section 1) added catalog number 2236.21. Rev 8, 02-26-2002: (Section 1) added catalog number 2236.24. Rev 9, 03-05-2002: (Section 1) added catalog number 2246.10. Rev 10, 03-21-2002: (Section 1) added catalog number 2242.3. Rev 11, 03-22-2002: (Section 3) removed yellow colored solution reference. Rev 12, 10-02-2003: (Section 1) added catalog number 2236.65C. Rev 13, 01-13-2004: (Section 1) added catalog number R2242900. Rev 14, 2-9-04: (Sec 1) added cat no R2245850. Rev 15, 2-24-04: (Sec 1) added catalog number R2236035. Rev 16, 4-6-04: (Sec 1) added catalog number R2238940. Rev 17, 7-6-04: added cat nos 2234.075 and R2243180. Rev 18, 8-24-04: (Sec 1) added cat no 2236.31. Rev 19, 12-13-04: added cat no R2246141.
Rev 20, 3-31-05: (Sec 1) added cat nos. R2242350, R2243150, 2245.8, R2245830 and R2246115. Rev 21, 4-6-05: (Sec 1) added cat. no. R2236330. Rev 22, 6-14-05: (Sec 1) added cat nos R2236480 and R2236527. Rev 23, 8-11-05: (Sec 1) added cat nos. R2243005 and R2246005. Rev 24, 3-1-06: (Sec 1) added cat nos. R2236270, R2236515, and R2244230. Rev 25, 4-18-06: (sec 1) added cat no R2243140. Rev 26, 7-5-06: (Sec 1) added cat no R2246155. Rev 27, 7-26-07: (Sec 1) added Red Bird Cat. No. C-865. Rev 28, 8-24-07: (Sec 1) added cat no 2236.22. Rev 29, 10-29-07: (Sec 1) added cat no 2244.37. Rev 30, 5-19-09: (Sec 1) added cat no 2236.141. Rev 31, 12-22-09: (Sec 1) added cat no R2236400.

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.