

MSDS

POTASSIUM CHLORIDE SOLUTIONS, 10% (w/v) - Saturated, 1.4 - 4 Molar (Normal) Aqueous Solutions

Material Safety Data Sheet

Section 1: Chemical Product and Company Identification

Catalog Number: 5884.2, 5899, 5899.2, 5899.5, 5900, 5930, M0010001, P-255, P-609, P-610, P069650, P069690, P069730, R5897500, SP069650, SP069690, SP069730	
Product Identity: POTASSIUM CHLORIDE SOLUTIONS, 10% (w/v) - Saturated, 1.4 - 4 Molar (Normal) Aqueous Solutions	
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: 6/22/98	Revision: 14 Last Revised: 07/10/2012 Date Printed: 05/04/2015 6:03:11 pm

Section 2. Composition/Information on Ingredients

Component	CAS Registry #	Concentration	ACGIH TLV	OSHA PEL
Potassium Chloride	7447-40-7	10 - 38% (w/v)	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: May irritate eyes and skin. Wash areas of contact with water. Does not present any significant health hazards.

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 doses may cause stomach upset.

Chronic Effects/Carcinogenicity: None

IARC - No.

NTP - No.

OSHA - No.

Reproductive Information: Not Applicable.

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

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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. 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.

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 with possible precipitate**Odor:** Odorless**Solubility in Water:** Infinite**Specific Gravity:** Approximately 1.06 - 1.17**pH:** approximately 7**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:** Bromine Trifluoride, Potassium Permanganate plus Sulfuric Acid.**Hazardous Decomposition Products:** Oxides of Potassium.**Hazardous Polymerization:** Will not occur.**Section 11: Toxicological Information****LD50, Oral, Rat:** (Potassium Chloride) 2600 mg/kg; Irritation: eye, rabbit (500mg/24 hr mild).**Section 12: Ecological Information****Ecotoxicological Information:** No information found.**Chemical Fate Information:** No information found.

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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 Categories: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: 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, 10-19-98: (Section 1) Specified catalog numbers; (Section 16) Removed periods from NFPA and HMIS; Added ® to HMIS;

Rev 2, 12-1-99: Reformatted from WordPerfect® to Microsoft Word®; (Section 1) Added Catalog Number 5899.5; Removed Catalog Numbers 5891, 5892, 5897, 5898, 5898.5; Changed title to 10 - 30% (w/v), 1.4 - 4 Molar (Normal) Aqueous Solutions; (Section 2) Revised percent to 10 - 30; (Section 4) Removed note to physician; (Section 7) Added safety storage code; (Section 9) Added pH values, revised specific gravity; (Section 16) Added ® to NFPA.

Rev 3, 3-28-2000: (Section 1) Revised emergency telephone number to CHEMTREC® 800-424-9300.

Rev 4, 10-16-2000: (Section 1) added catalog number 5930.

Rev 5, 10-09-2001: Reformatted to electronic data format.

Rev 6, 10-15-2002: (Section 1) added Solutions Plus catalog number P069650.

Rev 7, 11-12-2002: (Section 1) added Solutions Plus catalog number P069730.

Rev 8, 09-17-2003: (Section 1) added Solutions Plus catalog number P069690.

Rev 9, 03-11-2005: (Section 9) revised specific gravity information.

Rev 10, 01-20-2006: (Section 1) revised title by adding saturated, added Red Bird catalog number P-255; (Section 2) revised concentration range for Potassium Chloride from 10 - 30%; (Section 9) revised specific gravity range from 1.06 - 1.16, added possible precipitate to appearance.

Rev 11, 03-26-2007: (Section 1) added Red Bird catalog number P-610.

Rev 12, 07-02-2008: (Section 1) added internal part number M00I0001.

Rev 13, 05-03-2010: (Section 1) added Cat. No. 5884.2.

Rev 14, 07-10-2012: (Section 1) added catalog number R5897500.

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.