



MSDS

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

BUFFERS, REFERENCE STANDARD, pH 4.00 - 4.01

Material Safety Data Sheet

Section 1: Chemical Product and Company Identification

Catalog Number: 1500, 1500-8, B-255, B017520, BX-1030, SB017520	
Product Identity: BUFFERS, REFERENCE STANDARD, pH 4.00 - 4.01	
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: 4/6/99	Revision: 6 Last Revised: 09/30/2010 Date Printed: 06/08/2011 7:41:35 am

Section 2: Composition/Information on Ingredients

Component	CAS Registry #	Concentration	ACGIH TLV	OSHA PEL
Methanol (Methyl Alcohol)	67-56-1	<0.6	200 ppm 262 mg/m3	200 ppm 260 mg/m3
Water, Deionized	7732-18-5	Balance	Not Available Not Available	Not Available Not Available
Potassium Acid Phthalate	877-24-7	0.95-1.05	Not Available Not Available	Not Available Not Available
Butylparaben	94-26-8	<0.1	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. 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.

Chronic Effects/Carcinogenicity: None

IARC - No.



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NTP - No.
OSHA - No.

Reproductive Information: Reproductive effects cited in "Registry of Toxic Effects of Chemical Substances" for Methanol (Methyl Alcohol).

Reproductive effects cited in "Registry of Toxic Effects of Chemical Substances" for Methanol (Methyl Alcohol).

Teratology (Birth Defect) Information: Mutation data cited in "Registry of Toxic Effects of Chemical Substances" for Methanol (Methyl Alcohol).

Mutation data cited in "Registry of Toxic Effects of Chemical Substances" for Methanol (Methyl Alcohol).

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 procedure/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.

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: Infinite

Specific Gravity: Approximately 1

pH: 4

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: Nitric Acid

Hazardous Decomposition Products: Oxides of Carbon and Potassium.

Hazardous Polymerization: Will not occur.



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Section 11. Toxicological Information

LD50, Oral, Rat: >3200 mg/kg (Potassium Acid Phthalate), details of toxic effects not reported other than lethal dose value.

LD50, Oral, Rat: (Methanol) 5628 mg/kg, details of toxic effects not reported other than lethal dose value.

LD50, Oral, Mouse: 13,200 mg/kg.

Section 12. Ecological Information

Ecotoxicological Information: No information found.

Chemical Fate Information: No information found.

Section 13. Disposal Considerations

Dilute with water, neutralize with weak sodium hydroxide solution, 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 (hydrexes) 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: Methanol (Methyl Alcohol) is listed as an Environmental Hazard on the state's Hazardous Substances List. Methanol (Methyl Alcohol)

is listed as an Environmental Hazard on the state's Hazardous Substances List.

RCRA Status: U154, U154

CERCLA Reportable Quantity: Methanol (Methyl Alcohol) - 5,000 pounds. Methanol (Methyl Alcohol) - 5,000 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, 4-27-2000: Reformatted from WordPerfect® to Microsoft Word®, (Section 1) added pH 4.008 to title, revised emergency telephone number to CHEMTREC® 800-424-9300, (Section 2) added percent range, (Section 7) Added storage code, (Section 13) Added neutralize before flushing to sewer.

Rev 2, 10-09-2001: Reformatted to electronic data format.

Rev 3, 07-30-2003: (Section 1) added Solutions Plus catalog number B017520 effective 9-1-03.

Rev 4, 07-21-2006: Reviewed and approved for distribution.

Rev 5, 06-18-2008: (Section 2) Disclosed Preservative as Butylparaben and Methanol, (Section 3) added Methanol info (Section 11) added Butylparaben and Methanol info, (Section 15) updated Regulatory info.

Rev 6, 09-30-2010: (Section 1) added Red Bird catalog number BX-1030; changed description from pH 4.00 & 4.008 to pH 4.00 - 4.01.

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.

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