

RPC

1643 W. Modern Court, Tucson, AZ 85705 • 1-800-647-3873 /1-520-888-5551 /1-520-888-5557 (fax)
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MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification

Product Identity:	CalRite™ Standard Buffer Solution 4.00 pH
Catalog Number(s):	S-0010
Manufacturer's Name:	Reprocessing Products Corp. (RPC) 1643 W. Modern Court Tucson, AZ 85705
Emergency Telephone Number:	520-888-5551
Telephone Number for Information:	520-888-5551
Date Prepared:	04/30/00

Section 2. Composition / Information on Main Ingredients

Component	CAS Registry #	Carcinogen	Percent (%) Concentration	Exposure Limits	
				ACGIH TVL	OSHA PEL
Potassium Acid Phthalate	877-24-7	no	0.95 - 1.05	n/a	n/a
Inert Dye	Proprietary	no	<0.1	n/a	n/a
Water, Deionized	7732-18-5	no	balance	n/a	n/a
Preservative (No Mercury compounds or Formaldehyde	Proprietary	No	<0.5	n/a	n/a

Section 3. Hazards Identification

EMERGENCY OVERVIEW	
Non-flammable, non-toxic, non-corrosive. Does not present any significant health hazards.	
POTENTIAL HEALTH EFFECTS:	TARGET ORGANS: Eyes, skin.
May cause slight irritation to skin and eyes; ingestion of large quantities may cause stomach upset.	

Section 4. First Aid Measures — in all cases seek qualified evaluation.

EYE CONTACT:	Wash areas of contact with water for at least 15 minutes.
SKIN CONTACT:	
INHALATION:	Remove to fresh air immediately. Give artificial respiration if necessary.
INGESTION:	Dilute with water or milk. Call physician if necessary.

Section 5. Fire Fighting Measures

Extinguishing Media:	Use any means suitable for extinguishing the surrounding fire.
Fire and Explosion Hazards:	No fire hazard when exposed to heat for flame.
Fire Fighting Instructions:	Use normal procedures / instructions. Use protective clothing and breathing equipment appropriate for the surrounding fire.

Section 6. Accidental Release Measures

Absorb with suitable material (paper towels, etc.) and dispose of in accordance with local regulations. Small amounts may be flushed to sewer with copious amounts of water.
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Section 7. Handling and Storage

As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes. Protect from freezing and physical damage.
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Section 8. Exposure Controls / Personal Protection

Engineering Controls:	No specific controls are needed; normal room ventilation is adequate.
Respiratory Protection:	Normal room ventilation is adequate.
Skin Protection:	Gloves.
Eye Protection:	Safety glasses or goggles.

Section 9. Physical and Chemical Properties

Appearance:	Clear red liquid.	pH:	4.0
Solubility in Water:	Infinite	Boiling Point:	~ 100° C
Odor:	Odorless.	Melting Point:	~ 0° C
Specific Gravity:	~1	Vapor Pressure:	N/a

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:	N/a

Section 11. Toxicology Information

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

Section 12. Environmental Information

No information found regarding toxic effects on the environment.

Section 13. Disposal Considerations

Dilute with water, neutralize with weak sodium hydroxide solution, and flush to sewer if local regulations allow. (Weak salt solution). If not allowed, save for recovery or recycling in an approved disposal facility. Dispose of in accordance with local, state, and federal regulations.

Section 14. Transportation Information

Not required per DOT.

Section 15. Regulatory Information

Not meant to be all-inclusive; selected regulation represented.

OSHA Status:	The above items 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 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

Section 16. Other Information

NFPA Ratings	Health = 1	Flammability = 0	Reactivity = 0	Special Key Note:	None
HMIS Ratings	Health = 1	Flammability = 0	Protective Equipment:	Safety glasses of goggles	