

RPC

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SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification

Product Identity:	442 Conductivity Standard (Mixed Sodium Salt Aqueous Solution, Dilute)
Catalog Number(s):	S0029, S0030, S0031, S0032, S0033, S0034
Manufacturer's Name:	Reprocessing Products Corp. (RPC) 1643 W. Modern Court Tucson, AZ 85705
Emergency Telephone Number: Telephone Number for Information:	520-888-5551 520-888-5551
Date Prepared:	05/21/15

Section 2. 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 3. Composition / Information on Main Ingredients

Component	CAS Registry #	Carcinogen	Percent (%) Concentration	Exposure Limits		
				ACGIH TVL	OSHA PEL	NIOSH PEL
Sodium Bicarbonate	7647-14-5	no	<1.0	n/a	n/a	n/a
Sodium Sulfate	7757-82-6	no	<1.0	n/a	n/a	n/a
Sodium Chloride	144-55-8	no	<1.0	n/a	n/a	n/a
Water, Deionized	7732-18-5	no	90+	n/a	n/a	n/a

Other contaminants: None

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

EYE CONTACT:	Acute exposure - direct contact may cause irritation, redness, and pain. Chronic exposure, repeated, or prolonged exposure may cause conjunctivitis. First aid - wash eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower lids until no evidence of chemical remains (approximately 15-20 minutes). Get medical attention immediately.
SKIN CONTACT:	Acute exposure - may cause irritation. Chronic exposure - repeated or prolonged exposure may cause dermatitis. First aid - remove contaminated clothing and shoes immediately, wash affected area with soap or mild detergent and large amounts of water until no evidence of chemical remains (approximately 15-20 minutes).
INHALATION:	Acute exposure - may cause irritation. Chronic exposure - repeated or prolonged exposure may cause irritation. First aid - remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial respiration. Keep person warm and at rest. Treat symptomatically and supportively. Get medical attention.
INGESTION:	Acute exposure - may cause nausea, vomiting, and diarrhea. Chronic exposure - not reported to occur in humans. First aid - if victim is conscious, immediately give 2-4 glasses of water and induce vomiting by touching finger to back of throat. Get medical attention Immediately.

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:	Not needed.
Eye Protection:	Not needed.

Section 9. Physical and Chemical Properties

Appearance:	Clear colorless liquid.	pH:	6-8
Solubility in Water:	Complete.	Boiling Point:	~ 100° C
Odor:	Odorless.	Melting Point:	~ 0° C
Specific Gravity:	1 – 1.04	Vapor Pressure:	14 torr @ 20°C
Evap. Rate:	(ether=1) >1	Vapor Density:	0.7 (H ₂ O)

Section 10. Stability and Reactivity

Reactivity:	Stable under normal conditions of use and storage.
Incompatibility:	None known.
Hazardous Decomposition Products:	None known.
Hazardous Polymerization:	None known.

Section 11. Toxicology Information

Carcinogen status:	None.	Acute Toxicity Level:	No data available.	Target Effects:	No data available.
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Section 12. Environmental Information

No information found regarding toxic effects on the environment.
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Section 13. Disposal Considerations

Observe all federal, state, and local regulations when storing or disposing of this substance. For assistance, contact the Environmental Protection Agency. Storage conditions to avoid: Store away from incompatible substances. Water spills: The California Safe Drinking Water and Toxic Enforcement Act of 1986 prohibits contaminating any known source of drinking water with substances known to cause cancer and/or reproductive toxicity. Occupational spill: Flush with water and mop up.
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Section 14. Transportation Information

Not required per DOT.

Material Safety Data Sheet

442 Conductivity Standard

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 1910.100) definition of a hazardous material.

Section 16. Other Information

NFPA Ratings (scale 0-4):	Health = 0	Flammability = 0	Reactivity = 0
Cercla Ratings (scale 0-3):	Health = 0	Flammability = 0	Persistence = 0