

Identity (Trade name on label) Sulfur Cathode Solution
 UIC, Inc. Part # CM300-027
 CAS Number N/A
 Date Prepared July 1986
 Date Reviewed/Revised 1/92, 1/96, 11/00

Manufactured or UIC, Inc.
 Distributed by: P. O. Box 863
 Joliet, IL 60434
 815-727-5431
 800-424-9300 (for Emergencies)

MATERIAL IDENTIFICATION AND INFORMATION

Hazardous Components 1% or greater; Carcinogens 0.1% or greater

COMPONENTS	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Phosphoric Acid (TWA)	1mg/m3	1mg/m3	
(STEL)	3mg/m3	3mg/m3	
(NIOSH recommended, TWA)			1mg/m3
(NIOSH recommended, STEL)			3mg/m3
Subject to the reporting requirements of SARA 313			

PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point	ND	Specific Gravity	1.1
Vapor Pressure	ND	Melting Point	ND
Vapor Density	ND	Evaporation Rate	ND
Solubility in Water	Complete	Water Reactive	No

Appearance Colorless liquid
Odor Odorless

FIRE AND EXPLOSION HAZARD DATA

Flash Point ND Auto Ignition Temperature ND
 Flammability Limits in Air % by Volume ND LEL ND UEL

Extinguisher Media Dry chemical, carbon dioxide, waterspray, or regular foam.
Special Fire Fighting Procedures Move container from fire if you can do so without risk. Use agents suitable for fire. Use water in flooding quantity as fog, applying from as far a distance as possible. Cool containers with water well after fire is out. Use protective clothing to avoid corrosive vapors. Keep upwind.
Unusual Fire and Explosion Hazards Negligible fire hazard when exposed to heat or flame.

CONTROL AND PROTECTIVE MEASURES

Respiratory Protection: Specific respirator selection must be based on the contamination levels in the workplace, must not exceed the working limit of the respirator, and be jointly approved by NIOSH-MSHA.

Protective Gloves: Appropriate to prevent contact.

Eye Protection: Splash-proof or dust-resistant safety goggles and faceshield.

Ventilation to be Used: Local exhaust to meet published exposure limits.

Other Protective Clothing: Impervious clothing and equipment should be worn to prevent any possibility of skin contact.

Hygienic Work Practices: If there is any possibility of exposure, an eyewash fountain and quick drench shower must be located in the immediate work area. Do not eat, drink, or smoke in the laboratory.

PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

Steps to be Taken if Material is Spilled or Released: Use protective equipment to prevent exposure. Keep unnecessary people away from area. Do not touch spilled material. Take up with sand or other absorbant, and place in containers for disposal. Dike ahead of spill to avoid contamination of water systems.

Waste Disposal Methods: Hazardous waste. Observe all Federal, State, and Local regulations when storing or disposing of this chemical.

Precautions to be Taken in Handling and Storage: Protect from physical damage. Store in a cool, dry, well-ventilated area, away from fire hazards and incompatible substances. Keep tightly closed.

Other Precautions and/or Special Hazards: Always use protective clothing whenever contact may occur. Avoid contact with combustibles. Subject to SARA Section 313 Annual Toxic Chemical Release Reporting.

UIC, Inc. has obtained the most current chemical information available to us in updating this Material Safety Data Sheet. However, users should always use caution when working with chemicals, as UIC, Inc. assumes no liability resulting from its use. Additionally, we make no warranty with respect to any information published on this sheet, either stated or implied.