

Identity (Trade name on label) Sulfur Anode Solution  
 UIC, Inc. Part # CM300-026  
 CAS Number NA  
 Date Prepared 7/23/86  
 Date Reviewed/Revised 1/96, 11/00, 1/03

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

### Section 313 Supplier Notification

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372):

<u>CAS#</u>	<u>Chemical Name</u>	<u>Percent by Weight</u>
110-86-1	Pyridine	30.6%

This information should be included in all MSDSs that are copied and distributed for this material.

### MATERIAL IDENTIFICATION AND INFORMATION

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

<u>COMPONENTS</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>IDLH Limit OTHER LIMITS RECOMMENDED</u>
Methanol	20-80	200mg/m <sup>3</sup>	260mg/m <sup>3</sup>	25000mg/m <sup>3</sup>
Pyridine	20-80	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>	3600mg/m <sup>3</sup>

### PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point	760mm Hg	Specific Gravity	0.85
Vapor Pressure	64mm Hg	Melting Point	NA
Vapor Density	NA	Evaporation Rate	NA
Solubility in Water	Soluble	Water Reactive	

Appearance Colorless liquid.

Odor Sharp

**FIRE AND EXPLOSION HAZARD DATA**

Flash Point 52 ° F Auto Ignition Temperature  
Flammability Limits in Air % by Volume LEL= 4.7% UEL=29.3%

Extinguisher Media Dry chemical, carbon dioxide, alcohol foam.  
Special Fire Fighting Procedures Wear self-contained breathing apparatus.  
Unusual Fire and Explosion Hazards Emits toxic fumes when heated to decomposition.  
Fumes are an EXPLOSIVE hazard.

**REACTIVITY HAZARD DATA**

Stability  Stable  Unstable Conditions Elevated temperatures & pressures to Avoid

Incompatible Materials Strong oxidizers, strong acids, perchlorates.  
Hazardous Decomposition Products Cyanide, carbon monoxide, possible ammonia.

Hazardous  Will not Occur  May Occur Conditions None to Avoid

**HEALTH HAZARD DATA**

Carcinogen Listed in  NTP  OSHA  IARC  Not Listed

**HEALTH HAZARDS** (Acute and Chronic) \*POISON\* Irritation to contact area, drowsiness, headache, unconsciousness, anorexia, fatigue, muscle cramps or incoordination, nausea, vomiting, dizziness, diarrhea, sweating, CNS depression, impaired vision, blindness, difficult breathing, cardiac depression, liver & kidney damage, dermatitis.

Inhalation Irritant/narcotic.

Skin Absorption Irritant/sensitizer/narcotic.

Eye Contact Irritant.

Ingestion Narcotic/toxic.

Signs and Symptoms of Exposure Nasal and throat irritation with unpleasant taste in mouth. Dizziness, drowsiness, and headaches.

Medical Conditions Aggravated by Exposure Liver, kidney or central nervous system disorders.

**FIRST AID**

Inhalation Oxygen, artificial respiration.

Skin Absorption Water wash IMMEDIATELY!

Eye Contact Water flush IMMEDIATELY!

Ingestion Administer water, induce vomiting.

REMOVE FROM CONTAMINATED AREA - CONTACT PHYSICIAN

## Sulfur Anode Solution

### CONTROL AND PROTECTIVE MEASURES

Respiratory Protection Suitable for organic vapor.

Protective Gloves Rubber.

Eye Protection Safety goggles.

Ventilation to be Used Local exhaust, acceptable, Mechanical General, acceptable.

Other Protective Clothing Face shield and organic resistant apron.

Hygienic Work Practices Minimize all forms of contact. Wash skin immediately after handling. Change contaminated clothing IMMEDIATELY.

### PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

Steps to be Taken if Material is Spilled or Released Absorb spill with sand, Dilute small spill with water & flush into appropriate disposal system.

Waste Disposal Methods Dispose of by means in compliance with all State, Local and Federal regulations.

Precautions to be Taken in Handling and Storage Store in tightly closed container, away from heat or flame. Storage area should be well ventilated.

Other Precautions and/or Special Hazards Store away from oxidizers, strong acids & perchlorates.

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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.