

Material Safety Data Sheet

Quick Identifier:
Metro-Flo Sour Softener

Section 1

Metro-Chem, Inc.
24 Pennsylvania Avenue
Post Office Box 401
Kearny, NJ 07032

Emergency Phone No. 800-424-9300
Other Information 973-589-2800
Date Prepared: October 27, 1987
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Section 2 Hazardous Ingredients\identity

HAZARDOUS COMPONENT (CHEMICAL & COMMON NAME): Hydroxyacetic Acid, Organic Acid, Aqueous Solution. OSHA PEL, ACGIH TLV, OTHER EXPOSURE LIMITS: not established CAS NO. 79-14-1

HAZARDOUS COMPONENT (CHEMICAL & COMMON NAME): Imidazolium, Compounds, 4,5 Dihydro-1-Nortallow Alkyl-1(2Tallow Amidoethyl) ME Sulfates
OSHA PEL, ACGIH TLV, OTHER EXPOSURE LIMITS: not established CAS NO. 68122-86-1

Section 3 Physical & Chemical Characteristics

BOILING POINT: 112 C. 234 F. SPECIFIC GRAVITY (H2O=1):

VAPOR PRESSURE (mm Hg): Vapor is Water VAPOR DENSITY (Air=1): Vapor is Water

SOLUBILITY IN WATER: Complete REACTIVITY IN WATER:

APPEARANCE AND ODOR: clear light amber liquid with mild scent similar to burnt sugar.

MELTING POINT: n/a

Section 4 Fire and Explosion Hazard Data

FLASH POINT: will not burn METHOD USED: n/a

FLAMMABLE LIMITS IN AIR % BY VOLUME: LEL LOWER: n/a UEL UPPER: n/a

AUTO-IGNITION TEMPERATURE: n/a

EXTINGUISHER MEDIA: Water, foam, and other suffocating agents.

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: Avoid contact with acidic mixture.

Section 5 Physical Hazards (reactivity data)

STABILITY: Stable CONDITIONS TO AVOID: none

INCOMPATIBILITY (MATERIALS TO AVOID): Corrosive to metals, avoid oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: none

HAZARDOUS POLYMERIZATION: Will Not Occur

CONDITIONS TO AVOID: excessive heat

Section 6 Health Hazards

1. ACUTE (Immediate): Eye irritant

2. CHRONIC (Delayed Effect): Prolonged contact may cause skin irritation.

SIGNS AND SYMPTOMS OF EXPOSURE: Irritation to skin and respiratory tract.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Respiratory and skin conditions.

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN:

NATIONAL TOXICOLOGY PROGRAM: NO I.A.R.C. MONOGRAPHS: NO OSHA: NO

EMERGENCY AND FIRST AID PROCEDURES:

ROUTES OF ENTRY

1. INHALATION: Irritant. Remove to fresh air. If not breathing, give artificial respiration; if breathing is difficult give oxygen. Get medical attention.

2. EYES: Irritant. Immediately flush with plenty of water for at least 15 minutes. Get medical attention.

3. SKIN: Irritant. Wash with plenty of water. If irritation persists, get medical attention.

4. INGESTION: If swallowed, Do not induce vomiting. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention.

Section 7 Precautions and Spill\Leak Procedures

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep in a well ventilated, cool area. Wear safety glasses when handling.

OTHER PRECAUTIONS: none

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Neutralize spills with lime or soda ash. Flush spill area with plenty of water.

WASTE DISPOSAL METHODS (Consult federal, state, and local regulations): If approved, may be neutralized with lime or soda ash and flushed to waste water treatment system.

Section 8 Special Protection Information\Control Measures

RESPIRATORY PROTECTION (Specify Type): none required

VENTILATION: LOCAL EXHAUST: adequate MECHANICAL, SPECIAL, OTHER: n/a

PROTECTIVE GLOVES: Chemical resistant gloves recommended.

EYE PROTECTION: Safety glasses required.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None required, butyl rubber suit may be used.

WORK/HYGIENIC PRACTICES: Eye wash stations and safety showers should be handy.

We believe the information contained herein is true; however, no warranties, expressed or implied, are made or intended herein with respect to such information.