

Material Safety Data Sheet

Quick Identifier:
Metro-Flo Rust Sour

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, Glycolic Acid
OSHA PEL, ACGIH TLV, OTHER EXPOSURE LIMITS: not established CAS NO. 79-14-1

HAZARDOUS COMPONENT/CHEMICAL & COMMON NAME: Oxalic Acid CAS NO. 144-62-7
OSHA PEL: 1mg/m3, ACGIH TLV: 2mg/m3, OTHER EXPOSURE LIMITS: not established

DOT SHIPPING INFORMATION: Corrosive liquid, acidic, organic, N.O.S., 8, UN3265, PG 11

Section 3 Physical & Chemical Characteristics

BOILING POINT: 212 degrees F. SPECIFIC GRAVITY (H2O=1): 1.0

VAPOR PRESSURE (mm Hg): vapor is water VAPOR DENSITY (Air=1): vapor is water

SOLUBILITY IN WATER: complete REACTIVITY IN WATER: n/a

APPEARANCE AND ODOR: colorless liquid, mild perfume scent MELTING POINT: n/a

Section 4 Firs and Explosion Hazard Data

FLASH POINT: no flash point

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

AUTO-IGNITION TEMPERATURE: n/a

EXTINGUISHER MEDIA: water, foam, or other suffocating agent

SPECIAL FIRE FIGHTING PROCEDURES: none

UNUSUAL FIRE AND EXPLOSION HAZARDS: none

Section 5 Physical Hasarda (reactivity data)

STABILITY: Stable

CONDITIONS TO AVOID: none

INCOMPATIBILITY (MATERIALS TO AVOID): corrosive to metals, avoid oxidizing agents such as strong nitric acid, and cyanide.

HAZARDOUS DECOMPOSITION PRODUCTS: none

HAZARDOUS POLYMERIZATION: May Occur

CONDITIONS TO AVOID: excessive heat

Section 6 Health Hazards

1. ACUTE (Immediate): Corrosive to skin and eyes.
2. CHRONIC (Delayed Effect): Skin irritation with discomfort or rash.

SIGNS AND SYMPTOMS OF EXPOSURE: Skin irritation, eye irritation with discomfort, tearing, or blurring vision. Higher exposures may lead to **skin** burns.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: respiratory

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: May include irritation of or corrosion of mucous membranes with upper and lower respiratory irritation. Remove to fresh air. If irritation persists, get medical attention.
2. EYES: May cause irritation with tearing, and blurring vision. Flush with plenty of water for at least 15 minutes. Get medical attention.
3. SKIN: May cause a rash and irritation. Wash with plenty of water and epsom salt for at least 15 minutes.
4. INGESTION: May cause corrosion of mucous membrane, stomach discomfort, nausea, and prostration. Do not induce vomiting. Give large quantities of water. Get medical attention.

Section 7 Precautions and Spill\Leak Procedures

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep in a well ventilated area. Avoid freezing temperatures.

OTHER PRECAUTIONS: Store away from oxidizing agents.

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

WASTE DISPOSAL METHODS (Consult federal, **state**, and local regulations): If approved, spill 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): NIOSH approved mist respirator recommended.

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

PROTECTIVE GLOVES: Chemical resistant gloves required.

EYE PROTECTION: Safety glasses or goggles or splash shield required.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: none required

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.