

Material Safety Data Sheet

Quick Identifier:
Rust Stop

Section 1

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

Emergency Phone No. 800-424-9300
Other Information 973-589-2800
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Section 2 Hazardous Ingredients/identity

HAZARDOUS COMPONENT (CHEMICAL & COMMON NAME): Sodium Hydrogen Fluoride CAS NO. 16893-85-9
OSHA PEL: 2.5mg/m3 8 hour TWA ACGIH TLV: 2.5mg/m3 OTHER EXPOSURE LIMITS: none

HAZARDOUS COMPONENT (CHEMICAL & COMMON NAME): Sodium Fluorosilicate CAS NO. 1333-83-1
OSHA PEL: 2.5mg/m3 ACGIH TLV: 2.5mg/m3 OTHER EXPOSURE LIMITS: none

DOT SHIPPING INFORMATION: *Corrosive solid, toxic, N.O.S., (Sodium hydrogen fluoride), (Sodium Fluorosilicate), 8, (6.1), UN2923, PG II*

Section 3 Physical & Chemical Characteristics

BOILING POINT: 500 C SPECIFIC GRAVITY (H2O=1): 2.7 VAPOR PRESSURE (mm Hg): n/a
VAPOR DENSITY (Air=1): n/a SOLUBILITY IN WATER: 32 gms/l. REACTIVITY IN WATER: n/a
APPEARANCE AND ODOR: white powder, practically odorless MELTING POINT: n/a

Section 4 Fire and Explosion Hazard Data

FLASH POINT: n/a METHOD USED: n/a non-flammable FLAMMABLE LIMITS IN AIR % BY VOLUME:
LEL LOWER: n/a UEL UPPER: n/a AUTO-IGNITION TEMPERATURE: n/a
EXTINGUISHER MEDIA: Water, CO2, foam, dry chemicals may be used on exposure fire.
SPECIAL FIRE FIGHTING PROCEDURES: Contain runoff; wear self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Highly corrosive, hydrogen fluoride and sodium fluoride are produced at high temperatures.

Section 5 Physical Hazards (reactivity data)

STABILITY: Stable CONDITIONS TO AVOID: Moist locations, heat above 400 C
INCOMPATIBILITY (MATERIALS TO AVOID): contact with acids
HAZARDOUS DECOMPOSITION PRODUCTS: Under fire conditions, hydrogen fluoride and sodium fluoride are produced.
HAZARDOUS POLYMERIZATION: Will Not Occur CONDITIONS TO AVOID: heat

Section 6 Health Hazards

1. ACUTE (Immediate): Acute hazard to eyes, skin, and if ingested or inhaled. Spillage in eyes or skin can result in irreversible damage to eyes if not treated immediately; severe burns on skin if not washed off promptly.

2. CHRONIC (Delayed Effect): Delayed skin irritation, inhalation of dust may cause irritation to respiratory tract, and ingestion can be harmful and possibly fatal.

SIGNS AND SYMPTOMS OF EXPOSURE: skin irritation

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: respiratory 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: Move to fresh air. If breathing is difficult give oxygen. Get medical attention.
2. EYES: Flush with copious water at least 15 minutes. Get medical attention.
3. SKIN: Wash affected area thoroughly with soap and water. If irritation develops, consult Physician.
4. Ingestion: If swallowed GET IMMEDIATE MEDICAL ATTENTION. Dilute with milk or water; induce vomiting!!

Section 7 Precautions and Spill/Leak Procedures

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in dry location. Handle with care.

OTHER PRECAUTIONS: Avoid personal contact.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Scoop up powder spills as much as possible into salvage container. Reuse product if possible.

WASTE DISPOSAL METHODS (Consult federal, state, and local regulations): If non-reusable, place in closed container, label, and remove to an approved chemical waste disposal area. People performing this work should wear adequate personal protective equipment and clothing.

Section 8 Special Protection Information/Control Measures

RESPIRATORY PROTECTION (Specify Type): NIOSH approved respirators are recommended.

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

PROTECTIVE GLOVES: Rubber or chemical resistant required.

EYE PROTECTION: Safety goggles, or glasses, or face shield required.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Chemical resistant shoes and/or apron recommended.

WORK/HYGIENIC PRACTICES: Eyewash 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.