

MATERIAL SAFETY DATA SHEET

Product Of:
Patriot Paper Corporation
P.O. Box 1001
Bellingham, MA 01882

Date: 1-1-2006
Ref. No.: 2591
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SECTION I - PRODUCT IDENTIFICATION

Trade Name: PATRIOT CHEMICAL ULTRA RUST OUT
Chemical name / synonyms: Acid base solution

Formula: Mixture
O.T. Classification: NA 1760, Compounds, Cleaning Liquid (Contains Fluorosilicic acid Phosphoric Acid), 8, PG II
MS CODE: Health 3, Fire 0, Reactivity 1
MS KEY: 4=Extreme, 3=High, 2=Moderate, 1=Slight, 0=Insignificant

SECTION II - HAZARDOUS INGREDIENTS

Substance	% composition	TLV
Fluorosilicic Acid CAS# 16961-83-4	40-50%	2.5 mg/m ³

SECTION III - PHYSICAL DATA

Boiling Pt (°F): 222 Specific Gravity: 1.11
Vapor Pressure (mm Hg): NA V.O.C. (% by weight): 0
Vapor Density (air=1): NA Evaporation Rate (water=1): N/A
Solubility in water: complete pH: 1
Appearance and Odor: green liquid, no odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Pt (°F): None Flammable limits in air (vol. %)
Test method: NA Upper: NA Lower: NA
Extinguishing Media: As necessary for surrounding fire.
Special fire fighting procedures: NA
Unusual fire and explosion hazard: NA

SECTION V - HEALTH HAZARD DATA ROUTES OF ENTRY

Threshold Limit Value: See Section II

Route: Effects of Overexposure: EYES-causes severe burns. May cause irreparable damage, and/or loss of vision. SKIN- corrosive action causes burns. Prolonged contact destroys tissues. INHALATION-mist may cause damage to the upper respiratory tract and lung tissue depending on extent of exposure. Effects range from mild irritation of mucous membranes, severe pneumonitis and lung tissue destruction. INGESTION-can cause very severe damage to mouth, esophagus, stomach. May be fatal.

Effects of Exposure: local effect may consist of multiple areas of superficial destruction of the skin or of primary dermatitis. Similarly, inhalation of the spray or mist may result in varying degrees of irritation.

Emergency and first aid procedures: EYES-flush with plenty of cool water for at least 15 minutes. Hold eyelids open during this flushing with water.

medical attention. SKIN-immediately flush skin with plenty of water while removing contaminated clothing and boots. Call a physician. If skin feels slippery, caustic may still be present in sufficient quantities to cause rash or burn. Continue washing until slick skin feeling is gone. Thoroughly clean contaminated clothing and boots before reuse or discard. INHALATION- remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. INGESTION- If conscious, drink large quantities of water. Do not induce vomiting. Take immediately to a hospital or physician. If vomiting occurs spontaneously, keep airway clear. If unconscious or in convulsions, take immediately to hospital. Do not attempt to induce vomiting or give anything by mouth to an unconscious person.

SECTION VI - REACTIVITY DATA

Stability: stable
Conditions to avoid: Avoid mixing concentrate with strong acids.
Hazardous decomposition products: carbon monoxide and unidentified organic compounds may be formed during combustion.
Hazardous polymerization products: Will not occur.
Conditions and materials to avoid: Metal, glass, stoneware, alkali and strong concentrated acids.
When heated to decomposition, it emits highly toxic and corrosive fumes of Hydrogen Fluoride, Silica Tetrafluoride and Hydrogen gas.

SECTION VII - SPILL OR LEAK PROCEDURE

Steps to be taken if material is released or spilled: Large spills: Dike and contain. Place in nonleaking containers for disposal agency. Small spills: soak or mop up. Small spills may be flushed to sewer.
Waste disposal method: Small quantities will evaporate readily. Large amounts should be given to licensed disposal agency.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Eye Protection: Splash goggles and/or face shield.
Respiratory Protection: None is normally required. However if misting or heavy vapor formation should occur, a NIOSH approved respirator should be worn.
Other Protection: Rubber boots. Rubber over leather shoes is not recommended. Rubber apron, rainwear or disposable TYVEK suit should be worn.
Ventilation: Provide adequate ventilation to meet TLV Requirements.
Protective gloves: Rubber, latex, plastic. Do not use leather or wool.
Additional Information: Safety eye wash/shower stations must be available in work area.

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage: Store above 35°F. Keep container tightly closed when not in use.
Other precautions: KEEP OUT OF REACH OF CHILDREN.
NA means NOT APPLICABLE on this form.

Information on this Material Safety Data Sheet reflects the latest information
and data that we have on hazards, properties, and handling of this product
under the recommended conditions of use. Any use of this product or method
of application that is not described on the label or in the Product Data Sheet is
the responsibility of the user.

Material Safety Data Sheet was prepared to comply with the OSHA Hazard
Communication Regulation and Massachusetts Right to Know Law.

Product conforms to Massachusetts Regulations Chapter Number
MR 690.000, "The Regulations Governing Phosphates in Household Cleansing
Products", per the Department of Health Agency that states in

MR 690.004 Safe, Offering, Distribution and Use of Household Cleansing Products
that "On and after July 1, 1994, no person shall sell, distribute,
offer for sale at wholesale or retail, or use in a commercial establishment in
this Commonwealth, household cleansing products used in dishwashing machines or
dishes or for cleansing medical and surgical equipment or food and beverage
serving equipment which contain a phosphorus compound in excess of 2.7 percent
weight expressed as elemental phosphorus."

Product contains 5.2% elemental phosphorus.