

A.L.WILSON CHEMICAL COMPANY -- RUSTGO -- 6850-01-290-1757

=====
Product Identification
=====

Product ID:RUSTGO
MSDS Date:10/01/1990
FSC:6850
NIIN:01-290-1757
MSDS Number: BQWHY
=== Responsible Party ===
Company Name:A.L.WILSON CHEMICAL COMPANY
Address:1050 HARRISON AVENUE
Box:207
City:KEARNY
State:NJ
ZIP:07032
Country:US
Info Phone Num:201-997-3300
Emergency Phone Num:201-997-3300/800-424-9300(CHE
MTREC)
CAGE:98443
=== Contractor Identification ===
Company Name:PRINOVA CO INC
Address:151 MITCHELL AVE
Box:City:S. SANFRANCISCO
State:CA
ZIP:94080-6007
Country:US
Phone:415-952-0891
CAGE:51943
Company Name:WILSON A L CHEMICAL CO
Address:1050 HARRISON AVE.
Box:207
City:KEARNY
State:NJ
ZIP:07032
Country:US
Phone:201-997-3300
CAGE:98443

=====
Composition/Information on Ingredients
=====

Ingred Name:HYDROGEN FLUORIDE (SARA III)
CAS:7664-39-3
RTECS #:MW7875000
Fraction by Wt: 1

2%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:3 PPM/6 STEL (F)
ACGIH TLV:C 3 PPM (F); 9293
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:AMMONIUM BIFLUORIDE (SARA III)
CAS:1341-49-7
RTECS #:BQ9200000
Fraction by Wt: 16%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2.5 MG F/M3
ACGIH TLV:2.5 MG F/M3; 9293
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Other REC Limits:NONE RECOMMENDED

=====
===== Hazards Identification =====
=====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE- CORROSIVE/TOXIC.
INHALATION:CONCENTRATION OF "F" VAPORS OF 2 MG/M3 OR MORE MAY CAUSE
DAMAGE TO LUNGS, RESPIRATORY SYSTEM & PULMONARY EDEMA. EYES:MAY
CAUSE PERMANENT DAMAGE. SKIN:MAY CAUSE SEVER E BURNS WHICH MAY NOT
BE IMMEDIATELY PAINFUL/VISIBLE. ORAL:MAY CAUSE THROAT BURNS &
SEVERE SWELLING. CHRONIC- UNKNOWN.

Effects of
Overexposure:MAY CAUSE BURNS TO TISSUES, EYE DAMAGE,
PULMONARY EDEMA.
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDERS OR EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE
MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

=====
===== First Aid Measures =====

First Aid:IN ALL CASES, GET MEDICAL ATTENTION IMMEDIATELY.
EYE/SKIN:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD
EYELIDS OPEN. INHALED:REMOVE

TO FRESH AIR & PROVIDE OXYGEN/CPR IF
NEEDED. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, IMMEDIATELY
DRINK LARGE AMOUNT OF MILK OR MILK OF MAGNESIA IN WATER.

===== Fire Fighting Measures =====

Flash Point:NONE

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL
FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED
CONTAINERS.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND
NIOSH-APPROVED SELF-CONTAINED BREA
THING APPARATUS WITH FULL
FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:CORROSIVE HYDROGEN FLUORIDE

===== Accidental Release Measures =====

Spill Release Procedures:WEAR PROPER PROTECTIVE EQUIPMENT. VENTILATE
AREA. STOP LEAK IF POSSIBLE. USE WATER SPRAY TO REDUCE VAPORS.
COVER AREA WITH SODIUM BICARBONATE TO NEUTRALIZE ACID. TRANSFER TO
PROPER CONTAINERS FOR DISP OSAL.

Neutralizing Agent:SODIUM BICARBOANTE

=====

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN WELL-VENTILATED AREA. KEEP
AWAY FROM INCOMPATIBLE SUBSTANCES.

Other Precautions:CORROSIVE AND TOXIC. DO NOT TOUCH MATERIAL. KEEP
CONTAINER TIGHTLY CLOSED. WASH THOROUGHLY AFTER HANDLING. AVOID
BREATHING VAPORS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. KEEP
OUT OF REACH OF CHIL DREN.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF
ENGINEERING CONTROLS ARE INADEQUATE TO
CONTROL VAPOR CONCENTRATIONS BELOW 20 PPM, A NIOSH-APPROVED GAS
MASK OR SELF-CONTAINED BREATHING APPARATUS SHOULD BE WORN.

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL
EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:PVC OR NEOPRENE

Eye Protection:SPLASH-PROOF SAFETY GOGGLES & FACESHIELD

Other Protective Equipment:EYE WASH STATION, QUICK DRENCH SHOWER AND
RUBBER APRON

Work Hygienic Practices:OBSER

VE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE PNI A UNDER THE SAME NSN.

===== Physical/Chemical Properties =====

HCC:C1

Boiling Pt:B.P. Text:NOT KNOWN

Melt/Freeze Pt:M.P/F.P Text:NOT KNOWN

Decomp Temp:Decomp Text:NOT KNOWN

Vapor Pres:NOT KNOWN

Spec Gravity: 1.1

Solubility in Water:COMPLETE

Appearance and Odor:COLOR

LESS LIQUID - SHARP ODOR

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG BASES, METALS

Stability Condition to Avoid:EXCESSIVE HEAT, FIRE

Hazardous Decomposition Products:HIGHLY CORROSIVE FLUORIDE FUMES

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.