

SUPERIOR FLUX & MFG. CO. -- SILVER SOLDER FLUX NO. 601 -- 3439-00-582-1110

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

Product ID:SILVER SOLDER FLUX NO. 601

MSDS Date:05/23/1986

FSC:3439

NIIN:00-582-1110

MSDS Number: BFGDX

=== Responsible Party ===

Company Name:SUPERIOR FLUX & MFG. CO.

Address:95 ALPHA PARK

City:CLEVELAND

State:OH

ZIP:44143

Info Phone Num:216-461-3315

Emergency Phone Num:216-461-3315

CAGE:

HO114

=== Contractor Identification ===

Company Name:SUPERIOR FLUX & MFG. CO.

CAGE:HO114

Company Name:SUPERIOR FLUX AND MFG CO

Address:6615 PARKLAND BLVD

City:SOLOM (FORMALLY CLEVELAND)

State:OH

ZIP:44139

Country:US

Phone:440-349-3000

CAGE:87618

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

Ingred Name:POTASSIUM BIFLUORIDE (POTASSIUM HYDROGEN FLUORIDE)

CAS:7789-29-9

RTECS #:TS6650000

Fraction by Wt: 10-30%

OSHA PEL:2.5 MG/M3 (F)

ACGIH TLV:2.5 MG/M3 (F); 8990

Ingred Name

:POTASSIUM FLUOBORATE (POTASSIUM BORO FLUORIDE)

CAS:14075-53-7

RTECS #:ED2800000

Fraction by Wt: 5-20%

OSHA PEL:2.5 MG/M3 (F)

ACGIH TLV:2.5 MG/M3 (F); 8990

Ingred Name:POTASSIUM TETRABORATE

CAS:1332-77-0

Fraction by Wt: 15-25%

Ingred Name:POTASSIUM FLUORIDE

CAS:7789-23-3

RTECS #:TT0700000

Fraction by Wt: 5-15%

OSHA PEL:2.5 MG/M3 (F)

ACGIH TLV:2.5 MG/M3 (F); 8990

Ingred Name:BORIC ACID

CAS:10043-35-3

RTECS #:ED4550000

Fraction by Wt: 25-40%

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 15-35

%

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE:SALIVATION,COUGHING,CHOKING,AND
CHILLS. CHRONIC:MAY CAUSE WEIGHT LOSS,BRITTLE BONES,ANEMIA,WEAKNESS
AND STIFF JOINTS.

Effects of Overexposure:SEE HEALTH HAZARDS.

Medical Cond Aggravated by Exposure:ANY WEAKNESS OF THE LUNGS,KIDNEY OR
LIVER WILL BE AGGRAVATED.

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

First Aid:EYES:WASH THOROUGHLY WITH WATER AND SEE DOCTOR;SKIN:WASH
THOROUGHLY WITH WATER;INHALATION:REMOVE TO FRESH
AIR;INGESTION:DRINK WATER OR MILK AND SEE DOCTOR.

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

Flash Point:NONE

Extinguishing Media:APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR SCBA.

Unusual Fire/Explosion Hazard:WILL RELEASE HYDROFLUORIC ACID AND BORON
TRIFLUOR

IDE FUMES UPON DECOMPOSITION.

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

Spill Release Procedures:CLEAN UP PASTE AND FLUSH REMAINING MATERIAL WITH LOTS OF WATER.

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

Handling and Storage Precautions:DO NOT STORE IN GLASS OR PORCELAIN CONTAINERS. KEEP CONTAINERS AWAY FROM EXCESSIVE HEAT.

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

Respiratory Protection:NIOSH APPROVED RESPIRATOR IN ABSENCE OF PROPER VENTILATION.

Ventilation:LOCAL EXHAUST AND GENERAL VENTILATION.

Protective Gloves:RUBBER OR PLASTIC COATED.

Eye Protection:SAFETY GOGGLES.

Other Protective Equipment:RUBBER APRON.

Work Hygienic Practices:AVOID CONTACT WITH EYES,SKIN & CLOTHING.WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

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

HCC:N1

Spec Gravity:1.6

Evaporation Rate & Reference:0.3 (WATER=1)

Solubility in

Water:MODERATE

Appearance and Odor:WHITE ODORLESS PASTE

Percent Volatiles by Volume:30

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

Stability Indicator/Materials to Avoid:YES

GLASS OR PORCELAIN.

Stability Condition to Avoid:EXCESS HEAT.

Hazardous Decomposition Products:HYDROFLUORIC ACID AND BORON TRIFLUORIDE FUMES.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL,STAT

E AND LOCAL 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.