

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

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Product Identification  
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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

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Composition/Information on Ingredients  
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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

%

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===== 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.

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===== 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.

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===== 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.

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