

SUPERIOR FLUX AND MFG CO -- SUPERIOR NO.625 -- 3439-00-913-4750

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

Product ID: SUPERIOR NO.625

MSDS Date: 05/07/1999

FSC: 3439

NIIN: 00-913-4750

Status Code: A

MSDS Number: CJVBG

=== Responsible Party ===

Company Name: SUPERIOR FLUX AND MFG CO

Address: 6615 PARKLAND BLVD

City: CLEVELAND

State: OH

ZIP: 44193

Country: US

Info Phone Num: 440-349-3000

Emergency Phone Num: (800)424-9

300

Chemtrec Ind/Phone: (800)424-9300

CAGE: 87618

=== Contractor Identification ===

Company Name: AUFHAUSER CORP

Address: 39 WEST MALL

Box: City: PLAINVIEW

State: NY

ZIP: 11803-4209

Country: US

Phone: 212-757-6824/FAX: 516-694-8690

CAGE: 59401

Company Name: SUPERIOR FLUX AND MFG CO

Address: 6615 PARKLAND BLVD

City: SOLON (FORMALLY CLEVELAND)

State: OH

ZIP: 44139

Country: US

Phone: 440-349-3000

CAGE: 87618

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

Ingred Name: POTASSIUM FLUOROHYDROBORATE

CAS:12228-71-6  
Code:F  
Minumum % Wt:5.  
Maxumum % Wt:20.

Ingred Name:POTASSIUM TETRABORATE  
CAS:1332-77-0  
Minumum % Wt:15.  
Maxumum % Wt:25.

Ingred Name:BORIC ACID  
CAS:10043-35-3  
RTECS #:ED4550000  
Minumum % Wt:15.  
Maxumum % Wt:30.

Ingred Name:POTASSIUM FLUOROBORATE  
CAS:14075-53-7  
RTECS #:ED2800000  
Minumum % Wt:7.  
Maxumum % Wt:15.

Ingred Name:SODIUM ALUMINUM FLUORIDE  
CAS:15096-52-3  
RTECS #:WA9625000  
Minumum % Wt:1.  
Maxumum % Wt:5.

Ingred Name:LITHIUM CHLORIDE  
CAS:7447-41-8  
RTECS #:OJ5950000  
Min  
umum % Wt:2.  
Maxumum % Wt:5.

Ingred Name:ZINC CHLORIDE  
CAS:7646-85-7  
RTECS #:ZH1400000  
Minumum % Wt:.2  
Maxumum % Wt:1.  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3  
ACGIH STEL:2 MG/M3  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EVOLVES FLUORIDES WHEN HEATED, MAY  
CAUSE BURNING OF EYES AND THROAT.

Explanation of Carcinogenicity:NONE LISTED.

Effects of Overexposure:SALVATION, COUGHING, COUGHING, CHOKING, CHILLS,  
MAY CAUSE WEIGHT LOSS, BIRTLE BONES, ANEMIA AND STIFF JOINTS.

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

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

First Aid:INHALATION: REMOVE TO FRESH AIR. EYES: FLUSH WITH WATER  
FOR 10 MINUTES. CALL PHYSICIAN. SKIN: WASH THOROUGHLY WITH WATER.  
INGESTION: IF PATIENT IS FULLY CONSCIOUS, GIVE TWO GLASSES OF WATER  
AND I NDUCE VOMITING. OBTAIN MEDICAL ATTENTION IMMEDIATELY.

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

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:NONE

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:NOT NEEDED

Fire Fighting Procedures:NORMAL CAUTION WHEN USING CHEMICALS.

Unusual Fire/Explosion Hazard:FLUORIDES.

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

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

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

Handling and Storage Precautions:STORE IN PLASTIC CONTAINERS IN COOL  
AREA. DO NOT STORE IN GLASS OR PORCELAIN CONTAINER. WASH THOROUGHLY  
AFTER USE.

Other Precautions:KEEP CONTAINER AWAY FROM EXCESSIVE HEAT.

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

Respiratory Protection:NIOSH APPROVED RESPIRAT

OR.  
Ventilation:LOCAL EXHAUST.  
Protective Gloves:RECOMMEND, NIOSH APPROVED  
Eye Protection:SAFETY GOGGLES  
Other Protective Equipment:RUBBER APRON.  
Work Hygienic Practices:AVOID CONTACT WITH SKIN, EYES AND CLOTHING.  
WASH THOROUGHLY AFTER USE.  
Supplemental Safety and Health

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

HCC:N1  
Boiling Pt:B.P. Text:NA  
Melt/Freeze Pt:=500.C, 932.F  
Vapor Pres:NA  
Vapor Density:NA  
Spec Gravity:1.6  
Evaporation Rate & Reference:0.3 (BUTYL AC  
ETATE=1)  
Solubility in Water:MODERATE  
Appearance and Odor:WHITE ORDORLESS 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:FLUORIDES WITH HIGH HEAT.  
Conditions to Avoid Polymerization:WILL NOT OCCUR. NA

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

Waste Disposal Methods:DISPOSE  
IN ACCORDANCE WITH EPA REGULATIONS.

===== MSDS Transport Information =====

Transport Information:NOT REGULATED.

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