

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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