

SUPERIOR FLUX AND MFG CO -- SUPERIOR NO. 601 -- 3439-00-914-8390

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Product Identification
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Product ID: SUPERIOR NO. 601

MSDS Date: 08/01/2001

FSC: 3439

NIIN: 00-914-8390

Status Code: A

MSDS Number: CLRCB

=== Responsible Party ===

Company Name: SUPERIOR FLUX AND MFG CO

Address: 6615 PARKLAND BLVD

City: SOLON (FORMALLY CLEVELAND)

State: OH

ZIP: 44139

Country: US

Info Phone Num: 440-349-3000

Emergency

Phone Num: 800-424-9300

Chemtrec Ind/Phone: (800)424-9300

CAGE: 87618

=== Contractor Identification ===

Company Name: CMAX INC

Address: 6127 PERIMETER PKY

Box: 11647

City: MONTGOMERY

State: AL

ZIP: 36111

Country: US

Phone: 334-613-0500/ FAX: 2922

Contract Num: SP049001D5673/0001

CAGE: 2Y223

Company Name: SUPERIOR FLUX AND MFG CO

Address: 6615 PARKLAND BLVD

City: SOLON (FORMALLY CLEVELAND)

State: OH

ZIP: 44139

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CAGE: 87618

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Composition/Information on Ingredients
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Ingred Name:POTASSIUM FLUOROHYDROBORATE
CAS:12228-71-6
Minumum % Wt:30.
Maxumum % Wt:45.
OSHA PEL:2.5 PPM

Ingred Name:BORIC ACID
CAS:10043-35-3
RTECS #:ED4550000
Minumum % Wt:15.
Maxumum % Wt:30.
OSHA PEL:10 PPM

Ingred Name:POTASSIUM TETRABORATE
CAS:1332-77-0
Minumum % Wt:15.
Maxumum % Wt:25.
OSHA PEL:5 PPM

Ingred Name:POTASSIUM FLUOROBORATE
CAS:14075-53-7
RTECS #:ED2800000
Minumum % Wt:7.
Maxumum % Wt:15.
OSHA PEL:2.5 PPM

===== Hazards Identification =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:PRIMARY ROUTES OF ENTRY INTO BODY:
FUME INHALATION, INGESTION, SKIN, AND EYES. SYMPTOMS OF
OVEREXPOSURE: SALVATION, COUGHING, CHOKING, CHILLS, MAY CAUSE
WEIGHT LOSS, BRITTLE BONES, ANEMIA, AND STIFF JOINTS.
Explanation of Carcinogenicity:CHEMICAL LISTED AS CARCINOGEN OR
POTENTIAL CARCINOGEN: NONE
Effects of Overexposure:SALVATION, COUGHING, CHOKING, CHILLS, MAY CAUSE
WEIGHT LOSS

S, BRITTLE BONES, ANEMIA, AND STIFF JOINTS.
Medical Cond Aggravated by Exposure:ANY WEAKNESS OF THE LUNGS, KIDNEYS
OR LIVER WILL BE AGGRAVATED.

===== 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 INDUCE VOMITING. OBTAIN MEDICAL ATTENTION IMMEDIATELY.

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

Flash Point:NONE
Autoignition Temp:Autoignition Temp Text:NONE
Extinguishing Media:NOT NEEDED.
Fire Fighting Procedures:NORMAL CAUTION WHEN USING CHEMICALS.
Unusual Fire/Explosion Hazard:FLUORIDES.

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

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

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

Handlin
g and Storage Precautions:STORE IN PLASTIC OCNTAINERS IN COOL
AREA. DO NOT STORE IN GLASS OR PORCELAIN CONTAINER. WASH THOROUGHLY
AFTER USE. AVOID CONTACT WITH SKIN , EYES, AND CLOTHING
Other Precautions:KEEP CONTAINER AWAY FROM EXCESSIVE HEAT.

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

Respiratory Protection:NIOSH APPROVED RESPIRATOR.
Ventilation:YES. LOCAL EXHAUST: YES. MECHANICAL(GENERAL): YES.
Protective Gloves:RECOMMEND, NIOSH APPROVED.
Eye Protection:SAFE
TY GOGGLES.
Other Protective Equipment:RUBBER APRON.
Work Hygienic Practices:AVOID CONTACT WITH SKIN, EYES, AND CLOTHING.
Supplemental Safety and Health

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

HCC:N1
Boiling Pt:B.P. Text:NA
Melt/Freeze Pt:=500.C, 932.F
Vapor Pres:(MMHG):NA
Vapor Density:(AIR=1):NA
Spec Gravity:(WATER=1):1.6
Evaporation Rate & Reference:(BUTYL ACETATE=1):0.3
Solubility in Water:MODERATE
Appearance and Odor:WHITE ODORLESS PASTE.
Percent Volatiles

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

Stability Indicator/Materials to Avoid: YES

GLASS OR PORCELAIN.

Stability Condition to Avoid: EPRODUCT IS STABLE. AVOID EXCESS HEAT.

Hazardous Decomposition Products: FLUORIDES WITH HIGH HEAT.

Conditions to Avoid Polymerization: WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information: OSHA PERMISSIBLE EXPOSURE LIMIT (PEL): 2.5

PPM. ACGIH THRESHOLD LIMIT VALUE

(TLV): 2.5 PPM.

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

Waste Disposal Methods: DISPOSE IN ACCORDANCE WITH EPA REGULATIONS.

===== Other Information =====

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