

SUPERIOR FLUX AND MFG CO -- SUPERIOR 601 -- 3439-00-913-4750

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

Product ID: SUPERIOR 601

MSDS Date: 09/30/1985

FSC: 3439

NIIN: 00-913-4750

MSDS Number: BMWVS

=== Responsible Party ===

Company Name: SUPERIOR FLUX AND MFG CO

Address: 95 ALPHA PARK

City: CLEVELAND

State: OH

ZIP: 44143-2201

Country: US

Emergency Phone Num: 216-461-3315

CAGE: 87618

=== Contractor Identification ===

Company Name: JO-JON INC

Address: 360 FREEPORT BLVD SUITE 1 & 2

Box: UNKNOWN

City: SPARKS

State: NV

ZIP: 89431

Country: US

Phone: 702-356-6988

CAGE: 009J0

Company Name: R & D METALS & CHEMICALS, INC

Address: 201C PERIMETER PARK

Box: 22533

City: KNOXVILLE

State: TN

ZIP: 37922-2233

Country: US

Phone: 423-531-6065 / FAX: 423-531-2044

CAGE: 56406

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

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Composition/Information on Ingredients =====

Ingred Name:POTASSIUM HYDROGEN FLUORIDE
CAS:7789-29-9
RTECS #:TS6650000
Fraction by Wt: 10-30%
Other REC Limits:NONE SPECIFIED
OSHA PEL:2.5 MG/M3
ACGIH TLV:2.5 MG/M3

Ingred Name:BORIC ACID
CAS:10043-35-3
RTECS #:ED4550000
Fraction by Wt: 25-55%
Other REC Limits:NONE SPECIFIED
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:POTASSIUM FLUOBORATE
CAS:14075-53-7
RTECS #:ED2800000
Fraction by Wt: 7-20%
Other REC Limits:NONE SPECIFIED
OSHA PEL:2
.5 MG/M3

Ingred Name:POTASSIUM CARBONATE
CAS:584-08-7
RTECS #:TS7750000
Fraction by Wt: 3-12%
Other REC Limits:NONE SPECIFIED

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 10-25%
Other REC Limits:NONE SPECIFIED

===== 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:EYES/SKIN/RESPIRATORY TRACT:
IRRITATION.
Explanat

ion of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:FUMES ARE IRRITATING TO THE SKIN, EYES AND THE RESPIRATORY TRACT. CAN CAUSE FAINTNESS AND NAUSEA.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, RESPIRATORY TRACT OR NERVOUS SYSTEM MAY BE AT INCREASED RISK FROM EXPOSURE. DRYING/CRACKING OF SKIN.

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

First Aid:EYES: FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE HOLDING EYELID. GET MEDICAL ATTENTION IMMEDIATELY. SKIN: WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ADVICE. INHALATION: REMOV E TO FRESH AIR. GIVE MOUTH-TO-MOUTH RESUSCITATION IF NOT BREATHING. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GIVE MILK OR WATER BUT NOTHING BY MOUTH IF UNCONSCIOUS. GET MEDICAL ATTEN.

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

Extinguishing Media:USE ANY APPLICABLE MEDIA AS APPROPRIATE FOR SURROUNDINGS.

Fire Fighting Procedures:MATERIAL IS NONFLAMMABLE BUT OPEN FLAME AND SPARKS CAN IGNITE COMBUSTIBLES. FIRE-FIGHTERS SHOULD USE APPROPRIATE PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:LARGE SPILLS SHOULD BE NEUTRALIZED WITH A SLAKED LIME-SODA ASH SLURRY. WASH RESIDUAL SPILL AREAS WITH WATER. Neutralizing Agent:SLAKED LIME-SODA ASH.

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

Handling and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME. DURING USE AND UNTIL ALL VAPORS ARE GONE: KEEP AREA VENTILATED-DO NOT SMOKE.

Other Precautions:AVOID BREATHING OF FUMES ESPECIALLY IN CONFINED SPACES,

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

Respiratory Protection:WEAR A NIOSH/MSHA APPROVED RESPIRATOR IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL/TLV. WEAR SELF-CONTAINED BREATHING APPARATUS IF REQUIRED FOR HIGH LEVELS OF CONTAMINATES.

Ventilation:LOCAL EXHAUST PREFERABLE. GENERAL EXHAUST ACCEPTABLE IF THE EXPOSURE IS MAINTAINED BELOW APPLICABLE EXPOSURE LIMITS.

Protective Gloves:NEOPRENE OR NATURAL RUBBER GLOVES

Eye Protection:EYE SHIELD AND COLORED ABSORPTIVE LENS

Other Protective Equipment:INDUST

RIAL-TYPE WORK CLOTHING, HAT AND

LEATHER APRON. AN EYE WASH AND DRENCH SHOWER FACILITY SHOULD BE AVAILABLE.

Work Hygienic Practices:USE WITH ADEQUATE VENTILATION. AVOID BREATHING VAPOR/SPRAY MIST. AVOID CONTACT WITH SKIN & EYES. WASH HANDS AFTER USE.

Supplemental Safety and Health

KEEP CONTAINER CLOSED WHEN NOT IN USE. TRANSFER ONLY TO APPROVED CONTAINERS WITH COMPLETE AND APPROPRIATE LABELING. DO NOT TAKE INTERNALLY.

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===== Physical/Chemical Properties =====
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HCC:N1

Spec Gravity:1.54

Solubility in Water:99%

Appearance and Odor:WHITE ODORLESS PASTE

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===== Stability and Reactivity Data =====
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Stability Indicator/Materials to Avoid:YES

ALKALINE MATERIALS, AMMONIA

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:FLUORIDES, FLUORINE, HYDROGEN FLUORIDE, OZONE, BORON TRIFLUORIDE

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===== Disposal Considerations =====
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Waste Disposal Meth

ods:DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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