

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

=====

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.

Explana

tion 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.

=====
===== 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.

=====
===== 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.

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

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

===== 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,

===== 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:INDUS

TRIAL-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.

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

HCC:N1

Spec Gravity:1.54

Solubility in Water:99%

Appearance and Odor:WHITE ODORLESS PASTE

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

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

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

Waste Disposal Met

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

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume respo
nsibility for the suitability of this information to their
particular situation.