

SUPERIOR FLUX AND MFG CO -- SUPERIOR NO. 11; FLUX, WELDING -- 3439-00-255-4580

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

Product ID: SUPERIOR NO. 11; FLUX, WELDING

MSDS Date: 06/01/2000

FSC: 3439

NIIN: 00-255-4580

Status Code: A

MSDS Number: CKTSG

=== Responsible Party ===

Company Name: SUPERIOR FLUX AND MFG CO

Address: 6615 PARKLAND BLVD

City: CLEVELAND

State: OH

ZIP: 44139

Country: US

Info Phone Num: 440-349-3000

Emergency Phone Num: 1-800-424-9300

Chemtrec Ind/Phone: (800)424-9300

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

Contract Num: SP0490-00-D-4064

CAGE: 009J0

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

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Ingrid Name:SODIUM NITRATE
CAS:7631-99-4
RTECS #:WC5600000
Minumum % Wt:30.
Maxumum % Wt:60.
OSHA PEL:2.5 PPM

Ingrid Name:SODIUM TETRABORATE
CAS:1303-96-4
RTECS #:VZ2275000
Minumum % Wt:15.
Maxumum % Wt:30.
OSHA PEL:2.5 PPM
ACGIH TLV:5 MG/M3

Ingrid Name:SODIUM CARBONATE
CAS:497-19-8
RTECS #:VZ4050000
Minumum % Wt:15.
Maxumum % Wt:30.

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Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:PRIMARY ROUTES OF ENTRY: FUME INHALATION, INGESTION, SKIN, AND EYES.
Explanation of Carcinogenicity:NONE LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN.
Effects of Overexposure:NAUSEA, VOMITING, ABDOMINAL PAIN, MUCOUS MEMBRANE IRRITATION, REDDENING OF SKIN, RASH, DIARRHEA, AND CENTRAL NERVOUS SYSTEM SIMULATION.
Medical Cond Aggravated by Exposure:ANY WEAKNESS OF THE CENTRAL NERVOUS SYSTEM, KIDNEYS, OR LIVER.

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First Aid Measures =====
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First Aid:EYES: FLUSH WITH WATER FOR 10 MINUTES. CALL A PHYSICIAN.
SKIN: WASH THOROUGHLY WITH WATER. INHALATION: REMOVE TO FRESH AIR OR ADMINISTER OXYGEN. CALL PHYSICIAN. INGESTION: IF PATIENT IS FULLY CONSCIOUS, GIVE LARGE AMOUNTS WATER. 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:N

OT NEEDED.

Fire Fighting Procedures:NORMAL CAUTION WHEN DEALING WITH CHEMICALS.

Unusual Fire/Explosion Hazard:WILL IGNITE ON FRICTION WHEN MIXED WITH ORGANIC MATTER. EXPLODES WHEN MIXED WITH CYANIDES.

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

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

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

Handling and Storage Precautions:STORE IN PLASTIC CONTAINERS IN COOL

AREA. AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. WASH THOROUGHLY AFTER HANDLING. KEEP CONTAINERS AWAY FROM EXCESSIVE HEAT.

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

Respiratory Protection:NIOSH APPROVED RESPIRATOR.

Ventilation:MECHANICAL (GENERAL)-YES. LOCAL EXHAUST-YES.

Protective Gloves:RECOMMENDED NIOSH APPROVED.

Eye Protection:SAFETY GLASSES.

Other Protective Equipment:RUBBER APRON.

Supplemental Safety and Health

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

HCC:D1

Melt/Freeze Pt:=700.C, #####F

Spec Gravity:2.15

Solubility in Water:VERY SOLUBLE.

Appearance and Odor:WHITE ODORLESS POWDER.

Percent Volatiles by Volume:1.0%

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

Stability Indicator/Materials to Avoid:YES

REDUCING MATERIALS AT HIGH TEMPERATURES.

Stability Condition to Avoid:EXCESSIVE HEAT.

Hazardous Decomposition Products:FUMES CONTAINING NITROGEN OXIDES AND BORON OXIDE.

Conditions

to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH STATE AND LOCAL
EPA REGULATIONS.

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

Transport Information:D.O.T. PROPER SHIPPING NAME: NON-HAZARDOUS. HMIS
DETERMINED THAT CORRECT PROPER SHIPPING NAME IS: SODIUM NITRATE,
CLASS OXIDIZER. THE CTDF ALSO STATES PSN IS: SODIUM NITRATE, DOT
CLASS: OXIDIZE

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