



MATERIAL SAFETY DATA SHEET

Superior No. 420-S/F-LF

DATE REVISED: March 24, 2003



Product Name: Superior No. 420-S/F-LF

Manufacturer: Superior Flux & Mfg. Co. 6615 Parkland Blvd. Cleveland, OH 44139

Emergency Phone Number: 1-800-424-9300 (CHEMTREC)

Other Information Calls: (440) 349-3000

To the Purchaser: This MSDS contains important environmental, health, and toxicology information for your employees who have ordered this product. Please be sure this information is given to them. If you resell this product, a copy of the MSDS should be given to the buyer.

H.M.I.S. INFORMATION: HEALTH = 1 FLAMMABILITY = 0 REACTIVITY = 0

SECTION I - IDENTIFICATION

Common Name: Superior No. 420-S/F-LF **Chemical Family:** VOC-Free, No-Clean Flux

CAS Number: NA

Chemical Name: NA

Formula: See Below

SECTION II - COMPOSITION INFORMATION

<u>Components</u>	<u>CAS Number</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Carboxylic Acid	68603-87-2	<3	N/A	N/A

Unlisted percentages are non-hazardous stabilizers, activators, and water. None of the materials in this product are listed in NTP, IARC, or OSHA as carcinogens.

SECTION III - HEALTH HAZARDS

HEALTH HAZARD DATA

Eyes: Wash with Large Amounts of Water. If Irritation Persists, Obtain Medical Assistance.

Skin Contact: Wash Skin with Soap and Water.

Skin Absorption: Wash with Soap and Water.

Ingestion: Wash Out Mouth with Water Only. Give Two Glasses of Water and Induce Vomiting.

Inhalation: Remove to Fresh Air.

Systematic and Other Effects: Vapor May Cause Bronchitis, Pulmonary Edema. Remove Patient to Fresh Air.

EMERGENCY AND FIRST AID PROCEDURES

Eyes: Wash with Water.

Skin: Wash with Soap and Water.

Ingestion: Give Two Glasses of Water and Induce Vomiting.

Note to Physician: Mild Organic Acid Solution.

Primary Routes of Entry: Fume Inhalation, Ingestion, Skin, and Eyes.

Symptoms of Overexposure: Reddening of Eyes and Skin, Acid Stomach if Ingested.

Medical Conditions Generally Aggravated by Overexposure: None Presently Known.

Chemical Listed as a Carcinogen or Potential Carcinogen: None

OSHA Permissible Exposure Limit (PEL): NA

ACGIH Threshold Limit Value (TLV): NA

Superior manufactures quality fluxes. Our business is solving problems.



SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (TCC): N/A

Flammable Limits: N/A

Extinguishing Media: N/A

Auto Ignition Temperature: N/A

Special Fire Fighting Procedures: N/A

Unusual Fire and Explosion Hazards: N/A

SECTION V - ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Spilled: Contain Spill, Can be Neutralized with Soda Ash and Cleaned Up with Water.

SECTION VI - HANDLING AND STORAGE

Storage Requirements: Keep From Freezing, Store at Temperature Range of 34°F to 120°F

Handling Precautions: N/A

SECTION VII - CONTROL MEASURES

Respiratory Protection (Type): OSHA approved Respirator for Organic Acids.

Ventilation: Use Local or General Exhaust Ventilation to Remove Traces of Organic Acid Fumes that May Have Been Generated.

Mechanical (General): N/A

Local Exhaust: N/A

Eye Protection: Use Chemical Splash Goggles.

Skin Protection: Use Gloves Resistant to organic Acids.

Other Protective Clothing or Equipment: Use Soap and Water for Clean Up.

SECTION VIII - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: 212°F

Specific Gravity: 1.010

Vapor Pressure (mm Hg): As Water

Percent Volatiles: 98%

Vapor Density (Air = 1): As Water

Evaporation Rate (Butyl Acetate = 1): Water

Melting Point: 32°F

Solubility in Water: Complete

Reactivity in Water: NA

Appearance and Odor: Clear Colorless Liquid, None

SECTION IX - STABILITY AND REACTIVITY

Stability: Stable

(Conditions to Avoid): None

Incompatibility: N/A

Hazardous Decomposition Products: N/A

Hazardous Polymerization: Will Not Occur

(Conditions to Avoid): N/A

SECTION X - TRANSPORTATION AND DISPOSAL CONSIDERATIONS

D.O.T. Proper Shipping Name: Non-hazardous

Identification Number: NA

Hazard Class: NA

Type D.O.T Label Required Information: NA

Packing Group: NA

Waste Disposal Method: Must Be in Accordance with Federal, State, and Local Regulations.

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Superior manufactures quality fluxes. Our business is solving problems.



**Superior Flux
& Mfg. Co.**

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