

MATERIAL SAFETY DATA SHEET

SUPERIOR NO. 420-F LF Concentrate Liquid

DATE REVISED: January 1, 2011

Product Name: Superior No. 420-F LF Concentrate Liquid

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 = 2 REACTIVITY = 0

SECTION I - IDENTIFICATION

Common Name: Superior No. 420-F LF Concentrate Liquid

Chemical Family: VOC-Free, No-Clean Flux

CAS Number: NA

Chemical Name: NA

Formula: See Below

SECTION II - COMPOSITION INFORMATION

Components	CAS Number	%	OSHA PEL	ACGIH TLV
Ethylene Glycols	N/A	90-100	N/A	N/A

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

SECTION III - HEALTH HAZARDS

Primary Routes of Entry: Fume inhalation, ingestion, skin, and eyes.

Signs and Symptoms of Exposure: 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): N/A

ACGIH Threshold Limit Value (TLV): N/A

SECTION IV - EMERGENCY AND FIRST AID PROCEDURES

Eyes: Wash with water.

Skin: Wash skin with soap and water.

Inhalation: Remove to fresh air.

Ingestion: Give two glasses of water and induce vomiting.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

Flash Point: 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 VI - ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is spilled: Contain in spill, can be neutralized with soda ash and cleaned up with water.

SECTION VII - HANDLING AND STORAGE

Storage Requirements: Keep from freezing, store at temperature range of 34°F to 120°F

Handling Precautions: N/A

SECTION VIII - 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.

Protective Gloves: Use gloves resistant to organic acids.

Other Protective Clothing or Equipment: Use soap and water for clean up.

SECTION IX - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: N/A

Specific Gravity (Water = 1): N/A

Vapor Pressure (mm Hg): N/A

Percent Volatile by Volume: N/A

Vapor Density (Air = 1): N/A

Evaporation Rate (Butyl Acetate = 1): N/A

Melting Point: N/A

Solubility in Water: N/A

Appearance and Odor: White powder

SECTION X - 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 XI - TOXICOLOGICAL INFORMATION

Acute Toxicity Data

- 1) **Oral:** LD-50 (rat): Not available
- 2) **Inhalation:** LC-50 (rat): Not available
- 3) **Dermal:** LD-50 (rabbit): Not available
- 4) **Skin Irritation:** (rabbit): Not available

Chronic Toxicity Data

- 1) **Repeated Skin Application:** (rat): Not available
- 2) **Eye Irritation:** (rabbit): Not available

SECTION XII - ECOLOGICAL INFORMATION

This material has not been tested for environmental effects.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of in accordance with EPA regulations

SECTION XIV- TRANSPORTATION

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

Hazard Class: N/A

Identification Number: N/A

Packing Group: N/A

Type D.O.T Label Required Information: N/A

Waste Disposal Method: Dispose in accordance with EPA regulations.

SECTION XV - REGULATORY INFORMATION

OSHA Hazardous Chemical According to 29 CFR 1910.1200: NA

Carcinogenicity Classification: (Components Present at 0.1% or More)

International Agency for Research on Cancer (IARC): NA

American Conference of Governmental Industrial Hygienists (ACGIH): NA

National Toxicology Program (NTP): NA

Occupational Safety and Health Administration (OSHA): NA

All Components of this Product are Listed on the U.S. Toxic Substances Control Act Inventory or Otherwise Comply with TSCA Pre-manufacture Notification Requirements.

This product is RoHS compliant.

SECTION XVI - OTHER INFORMATION

DISCLAIMER: Judgments as to the suitability of information herein or the purchaser's purposes are necessarily the purchaser's responsibility. Reasonable care has been taken in the preparation of this material, but there are NO WARRANTIES, NO REPRESENTATIONS AND NO RESPONSIBILITY AS TO THE ACCURACY OR THE SUITABILITY OF THIS INFORMATION FOR ANY PURCHASER'S USE OR FOR ANY CONSEQUENCE TO USE.