

MATERIAL SAFETY DATA SHEET

315-LF Liquid Flux

DATE REVISED: May 21, 2007

Product Name: 315-LF Liquid Flux

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 = 3 REACTIVITY = 0

SECTION I - IDENTIFICATION

Common Name: 315-LF Liquid Flux

Chemical Family: Water Washable 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>
Ethanol	64-14-5	85-97	1000 PPM
Carboxylic Acid	68937-69-9	1-6	NA

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

EMERGENCY AND FIRST AID PROCEDURES

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 Two Glasses of Water and Induce Vomiting. Obtain Medical Attention Immediately.

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

Symptoms of Overexposure: Dizziness, Blurred Vision, Headache, Irritation of Mucous Membranes, Loss of Appetite, and Inability to Concentrate.

Medical Conditions Generally Aggravated by Overexposure: Skin Conditions, Kidney or Liver Diseases.

Chemical Listed as a Carcinogen or Potential Carcinogen: None

OSHA Permissible Exposure Limit (PEL): 1000 PPM

ACGIH Threshold Limit Value (TLV): 1000 PPM

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: 11.7°C/53°F
Extinguishing Media: Dry Chemical, CO₂
Special Fire Fighting Procedures: Wear Protective Clothing, Including NIOSH Approved Self-Contained Breathing Apparatus
Unusual Fire and Explosion Hazards: Flammable, Do Not Mix with Strong Oxidizing or Dehydrating Agents. Do Not Store in Presence of Oxidizing Agents

SECTION V - ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Spilled: Absorb with Sawdust and Remove in Accordance to EPA Regulations.

SECTION VI - HANDLING AND STORAGE

Storage Requirements: Store in Plastic Containers in Cool Area. Do Not Store in Glass Containers.
Handling Precautions: Safe Precautionary Practices.
Other Precautions: Keep Away From Electrical Sparks, Heat, Open Flame or Oxidizing Agents.

SECTION VII - CONTROL MEASURES

Respiratory Protection (TYPE): NIOSH Approved Respirator.
Mechanical (General): Explosion Proof
Eye Protection: Safety Glasses
Protective Gloves: Recommended, NIOSH Approved
Other Protective Clothing or Equipment: Rubber Apron is Recommended

Ventilation: Yes
Local Exhaust: Yes

SECTION VIII - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: 77°C/170.6°F
Vapor Pressure (mm Hg): 42
Vapor Density (Air = 1): 1.4
Melting Point: -90°C/-130°F
Reactivity in Water: None

Specific Gravity (Water = 1): 0.825
Percent Volatile by Volume: 95%
Evaporation Rate (Butyl Acetate = 1): 3.1
Solubility in Water: Unlimited
Appearance and Odor: Clear Liquid, Ethyl Alcohol Odor

SECTION IX - STABILITY AND REACTIVITY

Stability: Product is Stable
Incompatibility: Strong Oxidizers, Alkaline Compounds
Hazardous Decomposition Products: CO₂, CO.
Hazardous Polymerization: NA

(Conditions to Avoid): NA
(Conditions to Avoid): NA

SECTION X - TRANSPORTATION AND DISPOSAL CONSIDERATIONS

D.O.T. Proper Shipping Name: Alcohol NOS (Contains Ethanol, Methanol)
Identification Number: UN1987
Type D.O.T Label Required Information: Flammable Liquid
Waste Disposal Method: Dispose of in Accordance with EPA Regulations

Hazard Class: 3
Packing Group: II

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