

MATERIAL SAFETY DATA SHEET

SUPERIOR NO. 30 Gel

DATE REVISED: November 19, 2001

Product Name: Superior No. 30 Gel

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. 30 Gel

Chemical Family: Organic Acid Soldering Flux

CAS Number: NA

Chemical Name: NA

Formula: See Below

SECTION II - COMPOSITION INFORMATION

Components	<u>CAS Number</u>	<u>%</u>	<u>OSHA PEL</u>
Glutamic Acid Hydrochloride	15767-75-6	5-10	NA

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: Give Water or Milk. Get Medical Attention.

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

Symptoms of Overexposure: No Specific Information Available.

Medical Conditions Generally Aggravated by Overexposure: None Presently Known.

Chemical Listed as a Carcinogen or Potential Carcinogen: None

OSHA Permissible Exposure Limit (PEL): 5 PPM

ACGIH Threshold Limit Value (TLV): 5 PPM

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: NA

Flammable Limits: NA

Extinguishing Media: Not Necessary

Auto Ignition Temperature: None

Special Fire Fighting Procedures: Normal Cautions when Dealing with Chemicals.

Unusual Fire and Explosion Hazards: Will Release Small Amounts of HCl.

SECTION V - ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Spilled: First Neutralize with Soda Ash or Sodium Bicarbonate, Dilute with Water and Dispose of in Accordance with EPA Regulations and Wash with Plenty of Water.

SECTION VI - HANDLING AND STORAGE

Storage Requirements: Store in Plastic Containers in Cool Area, Away From Heat.

Handling Precautions: Safe Precautionary Practices to Avoid Spills and Exposure to Skin and Fumes.

SECTION VII - CONTROL MEASURES

Respiratory Protection (TYPE): NIOSH Approved Respirator.

Ventilation: Yes

Mechanical (General): Yes

Local Exhaust: Yes

Eye Protection: Safety Glasses/Goggles

Protective Gloves: Recommended, NIOSH Approved

Other Protective Clothing or Equipment: Optional to User's Preference

SECTION VIII - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: 104°C/220°F

Specific Gravity (Water = 1): 1.04

Vapor Pressure (mm Hg): NA

Percent Volatile by Volume: 85%

Vapor Density (Air = 1): NA

Evaporation Rate (Butyl Acetate = 1): 0.9

Melting Point: 0°C/32°F

Solubility in Water: Unlimited

Reactivity in Water: None

Appearance and Odor: Blue Gel, Citrus Odor

SECTION IX - STABILITY AND REACTIVITY

Stability: Product is Stable

(Conditions to Avoid): NA

Incompatibility: Strong Oxidizers, Metals.

Hazardous Decomposition Products: Small Amounts of HCl.

Hazardous Polymerization: Will Not Occur

(Conditions to Avoid): NA

SECTION X - TRANSPORTATION AND DISPOSAL CONSIDERATIONS

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

Hazard Class: NA

Identification Number: NA

Packing Group: NA

Type D.O.T Label Required Information: NA

Waste Disposal Method: Dispose of in Accordance with EPA Regulations

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