



MATERIAL SAFETY DATA SHEET SUPERIOR SUPERSAFE® No. 30

DATE REVISED: November 11, 2003



Product Name: Superior No. 30

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 Supersafe® No. 30

Chemical Family: Organic Acid Soldering 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>
Glutamic Acid Hydrochloride	15767-75-6	5-10	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: 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

Superior manufactures quality fluxes. Our business is solving problems.



SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: NA
Extinguishing Media: Not Necessary
Special Fire Fighting Procedures: Normal Cautions when Dealing with Chemicals.
Unusual Fire and Explosion Hazards: Will Release Small Amounts of HCl.

Flammable Limits: NA
Auto Ignition Temperature: None

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.
Mechanical (General): Yes
Eye Protection: Safety Glasses/Goggles
Protective Gloves: Recommended, NIOSH Approved
Other Protective Clothing or Equipment: Optional to User's Preference

Ventilation: Yes
Local Exhaust: Yes

SECTION VIII - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: 104°C/220°F
Vapor Pressure (mm Hg): NA
Vapor Density (Air = 1): NA
Melting Point: 0°C/32°F
Reactivity in Water: None

Specific Gravity (Water = 1): 1.04
Percent Volatile by Volume: 85%
Evaporation Rate (Butyl Acetate = 1): 0.9
Solubility in Water: Unlimited
Appearance and Odor: Blue Liquid, Citrus Odor

SECTION IX - STABILITY AND REACTIVITY

Stability: Product is Stable
Incompatibility: Strong Oxidizers, Metals.
Hazardous Decomposition Products: Small Amounts of HCl.
Hazardous Polymerization: Will Not Occur

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

SECTION X - TRANSPORTATION AND DISPOSAL CONSIDERATIONS

D.O.T. Proper Shipping Name: Non-Hazardous
Identification Number: NA
Type D.O.T Label Required Information: NA
Waste Disposal Method: Dispose of in Accordance with EPA Regulations

Hazard Class: NA
Packing Group: NA

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**Superior Flux
& Mfg. Co.**

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