



MATERIAL SAFETY DATA SHEET

SUPERIOR No. 430

DATE REVISED: November 12, 2003

Product Name: Superior No. 430

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 = 3** **FLAMMABILITY = 0** **REACTIVITY = 0**

SECTION I - IDENTIFICATION

Common Name: Superior No. 430

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>
Monoethanolamine	141-43-5	4-15	3PPM
Hydroxyacetic Acid	79-14-1	65-86	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

Inhalation: Remove Victim to Fresh Air

Ingestion: If Patient is Conscious, Drink Two Glasses of Water. Get Medical Attention Immediately.

Eyes: Flush with Water for 10 Minutes. Call a Physician.

Skin: Wash Thoroughly With Water.

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

Symptoms of Overexposure: Irritation of Eye, Skin, Mucous Membranes, and Gastrointestinal Tract.

Medical Conditions Generally Aggravated by Exposure: None Presently Known

Chemicals Listed as Carcinogen or Potential Carcinogen: None

OSHA Permissible Exposure Limit (PEL): 3PPM

ACCGIH Threshold Limit Value (TLV): 3PPM

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: NA

Flammable Limits in Air % By Volume: NA

Extinguishing Media: CO₂, Dry Chemical

Auto Ignition Temperature: None

Unusual Fire and Explosion Hazards: None

Special Fire Fighting Procedures: None

Superior manufactures quality fluxes. Our business is solving problems.



SECTION V - ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Spilled: Absorb Spill with Sawdust or Wood Shavings and Remove in Accordance with EPA Regulations

SECTION VI - HANDLING AND STORAGE

Storage Requirements: Plastic Containers in a Cool Dry Place When Not in Use.

Handling Requirements: Safe Precautionary Use to Prevent Spills and Exposure to Skin. Keep Away from Oxidizing Agents.

Other Precautions: None

SECTION VII - CONTROL MEASURES

Respiratory Protection (TYPE): NIOSH Approved Respirator.

Ventilation: Yes

Mechanical (General): Yes

Local Exhaust: Yes

Eye Protection: Safety Glasses

Protective Gloves: Recommended, NIOSH Approved

Other Protective Clothing or Equipment: Rubber Gloves and an Apron

SECTION VIII - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: ~112°C/234°F

Specific Gravity (Water = 1): 1.25

Vapor Pressure (mmHg): Nil

Percent Volatile By Volume: 27%

Vapor Density (Air = 1): NA

Evaporation Rate (Butyl acetate = 1): NA

Melting Point: ~ 10°C/50°F

Solubility in Water: Unlimited

Reactivity in Water: None

Appearance and Odor: Amber Liquid, Slight Odor

SECTION IX - STABILITY AND REACTIVITY

Stability: Product is Stable

Conditions to Avoid: None

Hazardous Polymerization: None

Conditions to Avoid: Extreme Heat

Incompatibility: Oxidizing Agents and Metals.

Hazardous Decomposition Products: Nitrogen Products, CO, CO₂ (above 260°C/500°F)

SECTION X - TRANSPORTATION AND DISPOSAL CONSIDERATIONS

D.O.T. Proper Shipping Name: Corrosive Liquid, Acidic, Organic, NOS (Contains Glycolic Acid)

Hazard Class: 8

Identification Number: UN3265

Packing Group: II

Type D.O.T Label Required Information: Corrosive

Waste Disposal Method: Dispose in Accordance with EPA Regulations.

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Superior manufactures quality fluxes. Our business is solving problems.



**Superior Flux
& Mfg. Co.**

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