



## MATERIAL SAFETY DATA SHEET

**SUPERIOR No. 430C**

DATE REVISED: November 13, 2003



**Product Name:** Superior No. 430C

**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 - IDENTITY

**Common Name:** Superior No. 430C

**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	5-15	3PPM
Hydroxyacetic Acid	79-14-1	70-95	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:** CO<sub>2</sub>, 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.*



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## 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):** 1.26

**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, CO<sub>2</sub> (above 26°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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