



**MATERIAL SAFETY DATA SHEET**  
**SUPERIOR SYBERGEL**

DATE REVISED: February 4, 2004



**Product Name:** Superior SyberGel  
**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 = 1      REACTIVITY = 0**

**SECTION I - IDENTIFICATION**

**Common Name:** Superior SyberGel      **Chemical Family:** Organic Acid Soldering Gel 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>
Polyethylene Glycol	68937-68-8	60-80	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.

**Ingestion:** Drink Water or Milk. Call a Physician Immediately.

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

**Signs and Symptoms of Exposure:**

1) **Acute Effects:** Reddening of Skin and Eyes, Acid Stomach if Ingested.

2) **Chronic Effects:** 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):** 15 PPM

**ACGIH Threshold Limit Value (TLV):** 15 PPM

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

**Flash Point:** 177°C/350°F

**Flammable Limits:** Lower-NA Upper-NA

**Extinguishing Media:** Dry Chemical

**Auto Ignition Temperature:** None

**Special Fire Fighting Procedures:** Normal Caution When Dealing with Chemicals

**Unusual Fire and Explosion Hazards:** None

*Superior manufactures quality fluxes. Our business is solving problems.*



## 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. Wash Residual Amounts with Lots of Water.

## SECTION VI - HANDLING AND STORAGE

**Storage Requirements:** Store Away from Heat to Protect Plastic Containers.

**Handling Precautions:** Safe Precautionary Practices to Prevent Exposure to Skin and Fumes.

**Other Precautions:** Trace Amounts of Ethylene Oxide May Be Present in this Product. Trace Amounts Could Accumulate in Headspace After Heating, but will not Yield Concentrations Greater Than 0.5 PPM.

## 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:** Optional to User's Preference

## SECTION VIII - PHYSICAL AND CHEMICAL CHARACTERISTICS

**Boiling Point:** NA

**Specific Gravity (Water = 1):** 1.19

**Vapor Pressure (mm Hg):** NA

**Percent Volatile by Volume:** 80.0%

**Vapor Density (Air = 1):** NA

**Evaporation Rate (Butyl Acetate = 1):** NA

**Melting Point:** NA

**Solubility in Water:** Unlimited

**Reactivity in Water:** None

**Appearance and Odor:** Clear Viscous Liquid

## SECTION IX - STABILITY AND REACTIVITY

**Stability:** Product is Stable

**(Conditions to Avoid):** NA

**Incompatibility:** None

**Hazardous Decomposition Products:** CO, CO<sub>2</sub>

**Hazardous Polymerization:** NA

**(Conditions to Avoid):** NA

## SECTION XI- 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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MSDS Superior No. SyberGel p. 2/2

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