

# MATERIAL SAFETY DATA SHEET

## SUPERIOR NO. 2040

DATE REVISED: January 1, 2014

**Product Name:** Superior No. Superior Tacky Flux 2040

**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 Tacky Flux 2040

**Chemical Family:** Water-soluble tacky flux

**CAS Number:** NA

**Chemical Name:** NA

**Formula:** See below

### SECTION II - COMPOSITION INFORMATION

Components	CAS Number	%	OSHA PEL
Distillates (petroleum)	64742-46-7	15-35	NA
Ethomeen	26635-92-7	20-35	NA
Carboxylic Acid	68937-69-9	5-20	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

**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 known

**OSHA Permissible Exposure Limit (PEL):** NA

**ACGIH Threshold Limit Value (TLV):** NA

### SECTION IV - 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:** Get medical attention.

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## SECTION V - FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** Core>140°C

**Metal:** NA

**Flammable Limits:** NA

**Extinguishing Media:** Dry chemical, CO<sub>2</sub> foam

**Auto Ignition Temperature:** NA

**Special Fire Fighting Procedures:** Avoid breathing fumes, smoke from fire, and use self contained breathing gear.

**Unusual Fire and Explosion Hazards:** None known.

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## SECTION VI - ACCIDENTAL RELEASE MEASURES

**Steps to be taken in case material is spilled:** Protect skin and eyes by wearing safety glasses and gloves. Ventilate the area. Restrict and collect spilled materials.

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## SECTION VII - HANDLING AND STORAGE

**Storage Requirements:** Store in Low Temperature and Low Humidity Area.

**Handling Precautions:** Users should wear protective gloves and glasses when handling solder paste. Soldering should be conducted in good ventilation environment.

**Other Precautions:** NA

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## SECTION VIII - CONTROL MEASURES

**Respiratory Protection (TYPE):** NIOSH approved.

**Ventilation:** Yes

**Mechanical (General):** Optional

**Local Exhaust:** Yes

**Eye Protection:** Safety glasses

**Protective Gloves:** Rubber gloves

**Other Protective Clothing or Equipment:** Laboratory or worker coat.

**Work/Hygienic Practices:** Wash hands after handling the product, wear safety glasses during handling.

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## SECTION IX - PHYSICAL AND CHEMICAL CHARACTERISTICS

**Boiling Point:** NA

**Specific Gravity (Water = 1):** 4.0-5.5

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

**Percent Volatile by Volume:** NA

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

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

**Melting Point:** NA

**Solubility in Water:** Complete

**Reactivity in Water:** None

**Appearance and Odor:** Amber, mild solvent odor

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## SECTION X - STABILITY AND REACTIVITY

**Stability:** Product is stable

**(Conditions to Avoid):** Contact with strong acids and alkali.

**Incompatibility:** Strong acids and alkali.

**Hazardous Decomposition Products:** Not determined.

**Hazardous Polymerization:** Not determined.

**(Conditions to Avoid):** Not determined.

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## SECTION XI - TOXICOLOGICAL INFORMATION

### Acute Toxicity Data

- 1) **Oral:** LD-50 (rat): Not available
- 2) **Inhalation:** LC-50 (rat): Not available
- 3) **Dermal:** LD-50 (rabbit): Not available
- 4) **Skin Irritation:** (rabbit): Not available

### Chronic Toxicity Data

- 1) **Repeated Skin Application:** (rat): Not available
  - 2) **Eye Irritation:** (rabbit): Not available
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## SECTION XII - ECOLOGICAL INFORMATION

**This material has not been tested for environmental effects.**

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## SECTION XIII - DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose of in accordance with EPA regulations

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## SECTION XIV- TRANSPORTATION

**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:** Follow state, federal regulations and local ordinances in disposing of paste flux.

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## SECTION XV - REGULATORY INFORMATION

**OSHA Hazardous Chemical According to 29 CFR 1910.1200:** NA

**Carcinogenicity Classification: (Components Present at 0.1% or More)**

**International Agency for Research on Cancer (IARC):** NA

**American Conference of Governmental Industrial Hygienists (ACGIH):** NA

**National Toxicology Program (NTP):** NA

**Occupational Safety and Health Administration (OSHA):** NA

**All Components of this Product are Listed on the U.S. Toxic Substances Control Act Inventory or Otherwise Comply with TSCA Pre-manufacture Notification Requirements.**

**This product is RoHS compliant.**

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## **SECTION XVI - OTHER INFORMATION**

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