

# MATERIAL SAFETY DATA SHEET

## SUPERIOR WS ORGANIC ACID CORE FLUX

DATE REVISED: January 1, 2011

**Product Name:** Superior Organic WS Organic Acid Core Flux

**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 WS Organic Acid Core Flux

**Chemical Name:** NA

**CAS Number:** NA

**Formula:** See below

**Chemical Family:** NA

### SECTION II - COMPOSITION INFORMATION

Components	CAS Number	%	OSHA PEL
Urea	57-13-6	NA	NA    NA

Unlisted percentages are non-hazardous stabilizers, 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 and ingestion.

**Symptoms of Overexposure:** Headache, dizziness, difficulty breathing, coughing, nausea, vomiting, skin-redness, burning, rash, dryness, eye-redness, burning, tearing, blurred vision.

**Medical Conditions Generally Aggravated by Overexposure:** Skin allergies and respiratory conditions.

**Chemical Listed as a Carcinogen or Potential Carcinogen:** None

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

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

### SECTION IV - EMERGENCY AND FIRST AID PROCEDURES

**Eyes:** Flush eyes immediately with water for 15 minutes, seek medical attention.

**Skin:** Flush with water immediately, seek medical attention if required.

**Inhalation:** Remove to fresh air. Support respiration if required, seek medical attention

**Ingestion:** Drink large amounts of water; do not induce vomiting; seek medical attention.

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## SECTION V - FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** NA

**Flammable Limits:** NA

**Extinguishing Media:** Not applicable

**Auto Ignition Temperature:** NA

**Special Fire Fighting Procedures:** None

**Unusual Fire and Explosion Hazards:** Small amounts of hydrochloric acid and ammonia at decomposition.

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## SECTION VI - ACCIDENTAL RELEASE MEASURES

**Steps to be taken in case material is spilled:** Flush into a chemical sewer or soak up with a suitable absorbent.

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## SECTION VII - HANDLING AND STORAGE

**Storage Requirements:** Store in tightly closed drums, away from heat and moisture. Also store in a well ventilated area.

**Handling Precautions:** Safe precautionary practices.

**Other Precautions:** Avoid skin and eye contact, inhalation, and ingestion of fumes and material. Wash contaminated clothing before reuse. Keep away from children. Do not reuse container.

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## SECTION VIII - CONTROL MEASURES

**Respiratory Protection (TYPE):** Organic vapor type respirator for fumes.

**Ventilation:** Yes

**Mechanical (General):** OK

**Local Exhaust:** Yes

**Eye Protection:** Goggles or face shield during soldering.

**Protective Gloves:** Plastic or rubber during soldering.

**Other Protective Clothing or Equipment:** As required to avoid contact.

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## SECTION IX - PHYSICAL AND CHEMICAL CHARACTERISTICS

**Boiling Point:** >200°F

**Specific Gravity (Water = 1):** 0.8

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

**Percent Volatile by Volume:** NA

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

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

**Solubility in Water:** Complete

**Reactivity in Water:** None

**Appearance and Odor:** White paste, mild odor

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## SECTION X - STABILITY AND REACTIVITY

**Stability:** Product is stable

**(Conditions to Avoid):** NA

**Incompatibility:** Oxidizing agents

**Hazardous Decomposition Products:** Hydrochloric acid, ammonia

**Hazardous Polymerization:** Will not occur

**(Conditions to Avoid):** NA

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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:** Dispose in accordance with EPA regulations.

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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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