

# MATERIAL SAFETY DATA SHEET

## SUPERIOR WRMAP CORE FLUX

DATE REVISED: January 1, 2011

**Product Name:** Superior WRMAP 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 = 3 FLAMMABILITY = 1 REACTIVITY = 0**

### SECTION I – IDENTIFICATION

**Common Name:** Superior WRMAP Core Flux

**Chemical Name:** NA

**CAS Number:** NA

**Formula:** See below

**Chemical Family:** Quaternary ammonium compound

### SECTION II - COMPOSITION INFORMATION

Components	CAS Number	%	OSHA PEL
Cetyltrimethylammonium Bromide	57-09-0	80-95	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, ingestion, and skin.

**Symptoms of Overexposure:** Highly irritating to skin and mucous membranes.

**Medical Conditions Generally Aggravated by Overexposure:** NA

**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.

**Skin:** Remove contaminating clothing and flush with water.

**Inhalation:** Remove from contaminated area.

**Ingestion:** Seek the medical attention.

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## SECTION V - FIRE AND EXPLOSION HAZARD DAT

**Flash Point:** NA

**Flammable Limits:** NA

**Extinguishing Media:** Dry chemical, CO<sub>2</sub>, foam or water spray.

**Auto Ignition Temperature:** NA

**Special Fire Fighting Procedures:** None

**Unusual Fire and Explosion Hazards:** May liberate toxic gases.

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## SECTION VI - ACCIDENTAL RELEASE MEASURES

**Steps to be taken in case material is spilled:** Remove bulk of material in the dry state-incinerate. flush spill area with water.

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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. Do not inhale dust.

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## SECTION VIII - CONTROL MEASURES

**Respiratory Protection (TYPE):** Wear approved dust mask

**Ventilation:** Yes

**Mechanical (General):** Recommended

**Local Exhaust:** Yes

**Eye Protection:** Chemical splash goggles

**Protective Gloves:** Chemical, resistant gloves

**Other Protective Clothing or Equipment:** Chemical resistance footwear.

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## SECTION IX - PHYSICAL AND CHEMICAL CHARACTERISTICS

**Boiling Point:** NA

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

**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:** Soluble

**Reactivity in Water:** None

**Appearance and Odor:** White to off-white solid

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## SECTION X - STABILITY AND REACTIVITY

**Stability:** Product is stable

**(Conditions to Avoid):** NA

**Incompatibility:** NA

**Hazardous Decomposition Products:** Hydrogen bromide, carbon monoxide and nitrogen oxide.

**Hazardous Polymerization:** NA

**(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:** Not regulated

**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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