

# MATERIAL SAFETY DATA SHEET

## SUPERIOR No. 1260

DATE REVISED: January 1, 2014

**Product Name:** Superior No. 1260

**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 = 2      FLAMMABILITY = 1      REACTIVITY = 1**

### SECTION I – IDENTIFICATION

**Common Name:** Superior No. 1260

**Chemical Family:** Aluminum soldering flux

**CAS Number:** NA

**Chemical Name:** NA

**Formula:** See below

### SECTION II - COMPOSITION INFORMATION

Components	CAS Number	%	OSHA PEL
Amino ethylethanolamine	111-41-1	20-40	NA
Ammonium Fluoborate	13826-83-0	15-30	2.5 mg/m <sup>3</sup>
Zinc Oxide	1314-13-2	5-15	5.0 mg/m <sup>3</sup>
Triethanolamine	102-71-6	20-40	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, skin, and eyes.

**Symptoms of Overexposure:** Eye and skin burns, damage to digestive and respiratory system, abdominal pain, vomiting and effects central nervous system.

**Medical Conditions Generally Aggravated by Overexposure:** Lung and skin disorders.

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

**OSHA Permissible Exposure Limit (PEL):** 2.5 mg/m<sup>3</sup>

**ACGIH Threshold Limit Value (TLV):** 2.5 mg/m<sup>3</sup>

### SECTION IV - EMERGENCY AND FIRST AID PROCEDURES

**Eyes:** Flush with water for 15 minutes. Call a physician.

**Skin:** Wash thoroughly with water. If rash develops call a physician.

**Inhalation:** Remove to fresh air or administer oxygen. Call physician.

**Ingestion:** Get medical attention immediately.

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## SECTION V - FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** >135°C/275°F

**Flammable Limits:** Lower-1.5, Upper-10.0

**Extinguishing Media:** Water, fog, foam or dry chemical

**Auto Ignition Temperature:** None

**Special Fire Fighting Procedures:** Full protective equipment required. ammonia, boron oxide, or fluoride fumes may be released.

**Unusual Fire and Explosion Hazards:** Decomposition may produce NO<sub>2</sub> fumes. Hydrofluoric acid solution may be formed within water run-off.

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## SECTION VI - ACCIDENTAL RELEASE MEASURES

**Steps to be taken in case material is spilled:** Contain, absorb, sweep-up and dispose.

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## SECTION VII - HANDLING AND STORAGE

**Storage Requirements:** Store in plastic containers in cool area, away from heat.

**Handling Precautions:** Wash hands thoroughly after handling. Safe precautionary practices to avoid spills and exposure to skin and fumes.

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## SECTION VIII - CONTROL MEASURES

**Respiratory Protection (Type):** NIOSH approved respirator in absence of adequate ventilation.

**Ventilation:** Yes

**Mechanical (General):** Yes

**Local Exhaust:** Yes

**Eye Protection:** Safety goggles

**Protective Gloves:** NIOSH approved chemical resistant

**Other Protective Clothing or Equipment:** Full protective clothing to prevent any contact.

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## SECTION IX - PHYSICAL AND CHEMICAL CHARACTERISTICS

**Boiling Point:** NA

**Specific Gravity:** 1.32

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

**Percent Volatile by Volume:** NA

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

**Evaporation Rate (Butyl Acetate = 1):** N/A

**Melting Point:** NA

**Solubility in Water:** Freely soluble

**Reactivity in Water:** NA

**Appearance and Odor:** Amber gel with ammonia odor

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## SECTION X - STABILITY AND REACTIVITY

**Stability:** Product is stable

**(Conditions to Avoid):** Excess heat

**Incompatibility:** Strong oxidants, sulfides and cyanides.

**Hazardous Decomposition Products:** Hydrofluoric acid, ammonia, NO<sub>2</sub>, boron tri-fluoride gases.

**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:** Corrosive liquid, N.O.S (aminoethylethanolamine, ammonium fluoborate)

**Hazard Class:** 8

**Identification Number:** UN1760

**Packing Group:** II

**Type D.O.T Label Required Information:** Corrosive

**Waste Disposal Method:** Dispose of 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 and REACH Compliant.**

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## SECTION XVI - OTHER INFORMATION

Judgments as to the suitability of information herein or the purchaser's purposes are necessarily the purchaser's responsibility. Reasonable care has been taken in the preparation of this material, but there are NO WARRANTIES, NO REPRESENTATIONS AND NO RESPONSIBILITY AS TO THE ACCURACY OR THE SUITABILITY OF THIS INFORMATION FOR ANY PURCHASER'S USE OR FOR ANY CONSEQUENCE TO USE.

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