



MATERIAL SAFETY DATA SHEET SUPERIOR No. 1260

DATE REVISED: November 11, 2003



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

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

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/m³

ACGIH Threshold Limit Value (TLV): 2.5 mg/m³

Superior manufactures quality fluxes. Our business is solving problems.



SECTION IV - 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. Toxic Ammonia, Boron Oxide, or Fluoride Fumes May Be Released.

Unusual Fire and Explosion Hazards: Decomposition may Produce NO₂ fumes. Hydrofluoric Acid Solution May Be Formed Within Water Run-Off.

SECTION V - ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Spilled: Contain, Absorb, Sweep-Up and Dispose.

SECTION VI - 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.

SECTION VII - CONTROL MEASURES

Respiratory Protection (Type): NIOSH Approved Respirator.

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.

SECTION VIII - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: N/A

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

SECTION IX - STABILITY AND REACTIVITY

Stability: Product is Stable

(Conditions to Avoid): Excess Heat

Incompatibility: Strong Oxidants, Sulfides and Cyanides.

Hazardous Decomposition Products: Toxic Hydrofluoric Acid, Ammonia, NO₂, Boron Trifluoride Gases.

Hazardous Polymerization: Will Not Occur

(Conditions to Avoid): NA

SECTION X - TRANSPORTATION AND DISPOSAL CONSIDERATIONS

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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Superior manufactures quality fluxes. Our business is solving problems.



**Superior Flux
& Mfg. Co.**

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