

# MATERIAL SAFETY DATA SHEET

## SUPERIOR NO. 100

DATE REVISED: January 1, 2014

**Product Name:** Superior No. 100

**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 = 3      REACTIVITY = 0**

### SECTION I - IDENTIFICATION

**Common Name:** Superior No. 100

**Chemical Family:** Activated Rosin Flux, Type RA

**CAS Number:** NA

**Chemical Name:** NA

**Formula:** See Below

### SECTION II - COMPOSITION INFORMATION

Components	CAS Number	%	OSHA PEL
Isopropanol	67-63-0	40-60	400 PPM
Gum Rosin	8050-09-07	25-45	NA
Mineral Spirits	8032-32-4	10-15	500PPM
Dimethylamine-HCl	506-59-2	1-3	10PPM

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:** Dizziness, blurred vision, headache, irritation of mucous membranes, loss of appetite, and inability to concentrate. Can be fatal if swallowed.

**Medical Conditions Generally Aggravated by Overexposure:** Skin conditions, kidney or liver diseases, or central nervous system.

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

**OSHA Permissible Exposure Limit (PEL):** 10 PPM

**ACGIH Threshold Limit Value (TLV):** 10 PPM

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## 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:** If patient is fully conscious, give two glasses of water and induce vomiting. Obtain medical attention immediately.

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## SECTION V - FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** 18.3°C/65°F  
**Flammable Limits:** Lower-2 Upper-12  
**Extinguishing Media:** Dry chemical, CO<sub>2</sub>  
**Auto Ignition Temperature:** 398.9°C/750°F  
**Special Fire Fighting Procedures:** Wear protective clothing, including NIOSH approved self-contained breathing apparatus  
**Unusual Fire and Explosion Hazards:** Flammable, do not mix with strong oxidizing or dehydrating agents. Do not store in presence of oxidizing agents.

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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):** NIOSH approved respirator.  
**Ventilation:** Yes  
**Mechanical (General):** Yes  
**Local Exhaust:** Yes  
**Protective Gloves:** Recommended, NIOSH approved  
**Other Protective Clothing or Equipment:** Rubber apron is recommended.  
**Eye Protection:** Safety Glasses  
**Regulatory Information:** The chemical components are listed on TSCA and DSL inventory. See composition section ii for CAS numbers.

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## SECTION IX - PHYSICAL AND CHEMICAL CHARACTERISTICS

**Boiling Point:** 82°C/179.6°F  
**Specific Gravity (Water = 1):** 0.8900  
**Vapor Pressure (mm Hg):** 33  
**Percent Volatile by Volume:** 58.0%  
**Vapor Density (Air = 1):** 2.07  
**Evaporation Rate (Butyl Acetate = 1):** 2.88  
**Melting Point:** -88.5°C/-127.3°F  
**Solubility in Water:** Unlimited  
**Reactivity in Water:** None  
**Appearance and Odor:** Brown liquid, alcohol odor

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## SECTION X - STABILITY AND REACTIVITY

**Stability:** Product is stable (Conditions to Avoid): NA  
**Incompatibility:** Strong oxidizers.  
**Hazardous Decomposition Products:** Aliphatic aldehydes.  
**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:** Flammable Liquid, NOS (Contains Isopropanol and Mineral Spirits)  
**Hazard Class:** 3  
**Identification Number:** UN1993  
**Packing Group:** II  
**Type D.O.T Label Required Information:** Flammable Liquid

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## **SECTION XV - REGULATORY INFORMATION**

**OSHA Hazardous Chemical According to 29 CFR 1910.1200:** Isopropyl Alcohol

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

**International Agency for Research on Cancer (IARC):** Not Listed

**American Conference of Governmental Industrial Hygienists (ACGIH):** Not Listed

**National Toxicology Program (NTP):** Not Listed

**Occupational Safety and Health Administration (OSHA):** Not Listed

**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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