

MATERIAL SAFETY DATA SHEET

SUPERIOR NO. 95T

DATE REVISED: January 1, 2011

Product Name: Superior No. 95T

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 = 3 REACTIVITY = 0

SECTION I - IDENTIFICATION

Common Name: Superior No. 95T

Chemical Family: Flux Thinner

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> |
|-------------------|-------------------|----------|-----------------|
| Isopropanol | 67-63-0 | 70-99 | 400PPM |

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.

Medical Conditions Generally Aggravated by Overexposure: Skin conditions, kidney or liver diseases.

Chemical Listed as a Carcinogen or Potential Carcinogen: None

OSHA Permissible Exposure Limit (PEL): 400 PPM

ACGIH Threshold Limit Value (TLV): 400 PPM

SECTION IV - EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush with water for 15 minutes; seek medical attention.

Skin: Wash thoroughly with soap and water

Inhalation: Remove to fresh air; seek medical attention.

Ingestion: If patient is fully conscious, give large quantities of water and induce vomiting; seek medical attention.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

Flash Point: 18.3°C/65°F

Flammable Limits: Lower-2 Upper-12

Extinguishing Media: Dry chemical, CO₂

Auto Ignition Temperature: >350°C/662°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.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Spilled: Absorb with sawdust and remove in accordance to EPA regulations.

SECTION VII - HANDLING AND STORAGE

Storage Requirements: Store in plastic containers in cool area. Do not store in glass containers.

Handling Precautions: Safe precautionary practices.

Other Precautions: Keep away from electrical sparks, heat, open flame or oxidizing agents. Flush empty buckets with water to remove flammable vapors.

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.

SECTION IX - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: 82°C/179.6°F

Specific Gravity (Water = 1): 0.7900

Vapor Pressure (mm Hg): 32

Percent Volatile by Volume: 100%

Vapor Density (Air = 1): 2.1

Evaporation Rate (Butyl Acetate = 1): 1.4

Melting Point: -88°C/-127°F

Solubility in Water: Unlimited

Reactivity in Water: None

Appearance and Odor: Clear liquid, alcohol odor

SECTION X - STABILITY AND REACTIVITY

Stability: Product is Stable (Conditions to Avoid): NA
Incompatibility: Strong oxidizing chemicals
Hazardous Decomposition Products: CO
Hazardous Polymerization: NA

SECTION XI - TOXICOLOGICAL INFORMATION

Isopropanol

Acute Toxicity Data:

- 1) **Oral:** LD-50 (rat): 5840mg/kg
- 2) **Inhalation:** LC-50 (rat): 12000 PPM/8 hours
- 3) **Dermal:** LD-50 (rabbit): 13000mg/kg
- 4) **Skin Irritation:** (rabbit): Slight

Chronic Toxicity Data:

- 1) **Repeated Skin Application:** (rat): Slight irritation
 - 2) **Eye Irritation:** (rabbit): Slight to severe
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SECTION XII - ECOLOGICAL INFORMATION

This Material has not been Tested for Environmental Effects.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of in accordance with EPA regulations

SECTION XIV- TRANSPORTATION

D.O.T. Proper Shipping Name: Isopropanol

Hazard Class: 3

Identification Number: UN1219

Packing Group: II

Type D.O.T Label Required Information: Flammable Liquid

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

SECTION XVI - OTHER INFORMATION

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