

# MATERIAL SAFETY DATA SHEET

## SUPERIOR OSP-2D

DATE REVISED: January 1, 2011

**Product Name:** Superior OSP-2D

**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 OSP-2D

**Chemical Family:** Coating/flux

**CAS Number:** NA

**Chemical Name:** NA

**Formula:** See below

### SECTION II - COMPOSITION INFORMATION

Components	CAS Number	%	OSHA PEL
Isopropanol	67-63-0	88-98	400 PPM
Dicarboxylic Acid Combination	NA	0.1-5	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

**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.

**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 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:** Absorb with sawdust and remove in accordance to EPA regulations.

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## 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.

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## SECTION VIII - CONTROL MEASURES

**Respiratory Protection (TYPE):** NIOSH approved respirator.

**Ventilation:** Yes

**Mechanical (General):** Explosion proof

**Local Exhaust:** Yes

**Eye Protection:** Safety glasses

**Protective Gloves:** Recommended, NIOSH approved

**Other Protective Clothing or Equipment:** Rubber apron is recommended.

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## SECTION IX - PHYSICAL AND CHEMICAL CHARACTERISTICS

**Boiling Point:** 82°C/179.6°F

**Specific Gravity (Water = 1):** 0.795

**Vapor Pressure (mm Hg):** 33

**Percent Volatile by Volume:** 95.5%

**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:** Pale 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:** CO

**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:** Isopropanol

**Hazard Class:** 3

**Identification Number:** UN1219

**Packing Group:** II

**Type D.O.T Label Required Information:** Flammable liquid

**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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