

EPOXOTHERM

The right coating for ultimate protection.

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT INFORMATION

PRODUCT IDENTIFIER: Epoxotherm
PRODUCT USE: Coating Metal, Concrete & Other Masonry Surfaces to Insulate & Protect
MANUFACTURER: Superior Product International II, Inc.
ADDRESS: 10835 W. 78th Street Shawnee, KS 66214
EMERGENCY TELEPHONE #: 1-800-424-9300 **TELEPHONE:** 202-483-7616

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS/PIN	LD ₅₀ (Species/Route)	LC ₅₀ (Species)
Xylene	10-30	1330-20-7	2.5-10 mL/kg (oral, rat)	29g/m3, 4h (rat)
Methylisobutylketone	5-10	108-1-1	1600 mg/kg (oral, guinea pig) 2080 mg/kg (oral, rat)	23.3 g/m3 (mouse)
Cyclohexanone	1-.5	108-94-1	1535 mg/kg (oral, rat) 1400 mg/kg (oral, mouse)	8000 ppm (rat)
Modified Polyamide Resin	1-5	Not Assigned	NAV	NAV
Epoxy Resin	10-30	25036-25-3	10-3- g/kg (oral, various) 20 g/kg (dermal, rabbit)	NAV
Inorganic Pigment	30-60	Not Assigned	NAV	NAV

SECTION III - PHYSICAL DATA

PHYSICAL STATE: Liquid **BOILING POINT:** >116 C. degrees **COEFF. WATER/OIL:** NAV
FREEZING POINT: NAP **SOLUBILITY IN WATER:** Slight **VAPOUR DENSITY (Air = 1):** 3.4
ODOR THRESHOLD: @1 ppm **VOLATILES:** 25 **VAPOUR PRESSURE:** <6 mmHg @ 20 C. Deg.
EVAPORATION RATE: Slow **pH:** NAP **SPECIFIC GRAVITY:** 1.31
APPEARANCE AND ODOR: Opaque; Solvent-Odor

SECTION IV - FIRE OR EXPLOSION HAZARD

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide and nitrogen oxides, irritant fume of epoxy and polyamide resins
CONDITIONS OF FLAMMABILITY: Application to large surfaces, spraying, exposure to sparks or open flame
FLAMMABLE LIMITS: (Lower) 1.0 % (Upper) 8.0 % **AUTOIGNITION TEMP:** 420 C. Deg.
SENSITIVITY TO MECHANICAL IMPACT: No **SENSITIVITY TO STATIC DISCHARGE:** Yes
MEANS OF EXTINCTION: Foam, dry chemical or carbon dioxide **FIRE POINT:** NAV
MINIMUM IGNITION ENERGY: NAV **FLASHPOINT & METHOD:** 18 C. degrees (cc) MIBK
SPECIAL PROCEDURE: Firefighters should wear full-body protection & SCBA. Use water fog to cool containers exposed to heat or flame.

SECTION V - REACTIVITY DATA

CONDITIONS OF REACTIVITY: Mixing with resin catalyst to speed up dry down **CORROSIVE BEHAVIOR:** No
CONDITIONS OF INSTABILITY: Stable **HAZARDOUS DECOMPOSITION PRODUCTS:** No
CHEMICAL INCOMPATIBILITY: Strong acids, bases, oxidizing agents, zinc

SECTION VI - TOXICOLOGICAL PROPERTIES

ROUTES OF ENTRY: Skin Contact: X Eye Contact: X Ingestion: X Inhalation: X
SYNERGISTIC PRODUCTS: Cigarette Smoke **IRRITANCY:** Skin irritation, skin drying, eye irritation
TERATOGENICITY: Yes **CARCINOGENICITY:** May contain trace epichlorohydrin, a confirmed IARC carcinogen
EXPOSURE LIMITS: Xylene 435 mg/m3 (ACGIH); Methyl Isobutyl Ketone 205 mg/m3 (ACGIH); Cyclohexanone 100 mg/m3 (ACGIH)
REPRODUCTIVE TOXICITY: Some evidence **SENSITIZATION:** Yes **MUTAGENICITY:** Some Evidence
EFFECTS OF CHRONIC EXPOSURE: Liver, lung and kidney damage
EFFECTS OF ACUTE EXPOSURE: Eye, nose, respiratory, irritation, and intoxication, contact dermatitis. loss of appetite, headache, dizziness, fatigue

SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: To be worn when spraying or within contained areas—Half face respirator with organic vapor filter, safety glasses w/shields, PVA or nitrile chemical resistant gloves, skin protection, for all other applications, good judgment should be used.
ENGINEERING CONTROLS: Ventilation required. If product is sprayed, use local exhaust. Vent outside. All equipment to be non-sparking and grounded.
STORAGE REQUIREMENT: Keep container closed. Use flammable storage cabinet for inside storage. Keep temps between 5-50 C. deg.

NAV = Not Available NAP = Not Applicable

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MSDS (Continued)

SECTION VII - PREVENTIVE MEASURES (Continued)

HANDLING PROCEDURES/EQUIPMENT: Ground all containers. Use non-sparking tools. Keep container closed when not in use.

LEAK/SPILL PROCEDURES: Use kitty litter (or other absorbent) to prevent spread. Insure adequate ventilation. Use non-sparking tools and protective equipment.

WASTE DISPOSAL: Allow product to dry. Designated landfill for dry waste; approved controlled incineration; check local government regulations.

SECTION VIII - FIRST AID MEASURES

INHALATION: Remove to fresh air. Use basic life support or medical help.

EYES: Flush eyes with water for 15-20 minutes. Seek medical attention.

SKIN: Wash with water and soap, if available. Remove contaminated clothes.

INGESTION: Do not induce vomiting. Give 1-2 glasses water or milk. Put in recovery position and get medical attention.

SECTION IX - PREPARATION INFORMATION

MANUFACTURER: Superior Product International II, Inc. **DATE OF PREPARATION:** 04/17/06

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