

SAFETY DATA SHEET (E/S/10/02)

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SECTION I - IDENTIFICATION OF PRODUCT AND COMPANY:

PRODUCT IDENTIFIER: LINING KOTE Base
GHS PRODUCT IDENTIFIED: Global Harmonized System #3208.90.0000
CHEMICAL TYPE: Bisphenol-A Type Epoxy
MANUFACTURER: SUPERIOR PRODUCTS INT'L II, INC.
ADDRESS: 10835 W. 78th St., Shawnee, KS 66214
PRODUCT USE: Tank and pipe lining
EMERGENCY TELEPHONE NUMBER: **800/424-9300; 202/483-7616**



SECTION II - HAZARD IDENTIFICATION:

The product is a flammable, solvent-based polyurethane and should be treated according to all known safety precautions. Refer to Section VII for Storage and Handling recommendations, Section VIII for Personal Protection, Section XIV for transport.

SECTION III - HAZARDOUS INGREDIENTS:

<u>HAZARDOUS INGREDIENTS</u>	<u>%</u>	<u>CAS/PIN</u>	<u>TLV</u>	<u>PEL</u>
Ethylene Glycol Propyl Ether	19.3	2807-30-9	50.00	50.00

SECTION IV - FIRST AID MEASURES:

INHALATION: Remove to fresh air. Give oxygen if required. Seek medical help.
EYES: Flush w/clear lukewarm water for 15-20 minutes, occasionally lifting eyelids. See physician.
SKIN: Remove contaminated clothing. Wash affected areas & clothing w/mild soap & water.
INGESTION: Do not induce vomiting. Keep at rest. Get prompt medical attention.

SECTION V - FIREFIGHTING MEASURES:

CONDITIONS OF FLAMMABILITY: Spraying or other activities to create finely divided droplets around open flame/sparks
HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, aldehydes, fumes
AUTOIGNITION TEMP.: >499C. degrees **FLASH POINT & METHOD:** 120F. TCC
FLAMMABLE LIMITS: (Lower) 1.3% (Upper) 15.8%
SENSITIVITY TO STATIC DISCHARGE? NAV
SENSITIVITY TO MECHANICAL IMPACT? NAV
SPECIAL PROCEDURES: Firefighters should wear full-body protection & SCBA
MEANS OF EXTINCTION: Foam, water spray (fog), dry chemical, carbon dioxide & vaporizing liquid type extinguishing agents

SECTION VI - ACCIDENTAL RELEASE MEASURES:

Ventilate the area, control spill by covering w/sawdust or similar agent. Pour decontamination solution over spill (non-ionic surfactant Union Carbide's Tergitol TMN-10 (20%) + water (80%); avoid breathing vapors

SECTION VII - HANDLING AND STORAGE:

Storage Requirements: Maintain temperature between 32-122F. degrees; average shelf life is 3 years @ 77F. degrees. Empty containers may contain residual liquid or vapors, and should not be pressurized, cut, welded or exposed to ignition sources.
Handling Procedures/Equipment: Ground all containers; use non-sparking tools. Keep away from ignition sources as liquid contains volatiles that give off invisible vapors.

NAP = Not Applicable

NAV = Not Available

SECTION VIII - EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Personal Protective Equipment: Half-face respirator w/organic vapor filter, safety glasses w/shields, PVA or nitrile chemical-resistant gloves, skin protection
Engineering Controls: Mechanical exhaust fans; use explosion-proof equipment

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE AND ODOR: White liquid, glycol-ether type solvent odor
SOLUBILITY IN WATER: Partially soluble in water **VOLATILES:** 34.2%
FREEZING POINT: NAP **BOILING POINT:** >241F. deg. **pH:** NAP
SPECIFIC GRAVITY: 1.54 **ODOR THRESHOLD:** NAV
COEFF. WATER/OIL: NAV **EVAPORATION RATE:** 0.2%
VAPOUR DENSITY (Air = 1): 1.0+ **VAPOUR PRESSURE:** NAV

SECTION X - STABILITY AND REACTIVITY DATA:

CONDITIONS OF REACTIVITY: By high heat or fire
CHEMICAL INCOMPATIBILITY: Oxidizing materials, aminos, alcohols
CONDITIONS OF INSTABILITY: Stable, under normal conditions
HAZARDOUS DECOMPOSITION PRODUCTS: By high heat/fire--Carbon dioxide, carbon monoxide, fumes, smoke, aldehydes
CORROSIVE BEHAVIOR? NO

SECTION XI - TOXICOLOGICAL PROPERTIES:

ROUTES OF ENTRY:SKIN CONTACT X EYE CONTACT X INHALATION X
SYNERGISTIC PRODUCTS NAV **EXPOSURE LIMITS:** NAV
EFFECTS OF ACUTE EXPOSURE: Burning sensation on mucous membranes & respiratory tract. Flu-like symptoms (fever and chills); skin irritation
EFFECTS OF CHRONIC EXPOSURE: Chemical asthma - chest tightness, wheezing, coughing, shortness of breath. Can cause lung damage.
MUTAGENICITY: NAV **CARCINOGENICITY:** NAV
IRRITANCY: Burning sensation **TERATOGENICITY:** NAV
REPRODUCTIVE TOXICITY: NAV
SENSITIZATION: Can cause future reaction to lesser amounts

SECTION XII - ENVIRONMENTAL INFORMATION:

Air: 0.64 lbs./gallon V.O.C. (reactive 76g/l)*
Water: Partially soluble
Soil: Lead- and chromate-free/not hazardous under RCRA 40CFR

SECTION XIII - WASTE DISPOSAL:

Incineration preferred. Dispose of in accordance with federal, state and local government regulations.

SECTION XIV - TRANSPORT INFORMATION:

Classified a hazardous material (Class 3//UN1263//P.G. III/F.P.=48C), and should be marked and handled according to specific regulations.

SECTION XV - REGULATORY INFORMATION:

Materials listed under Superfund Amendments & Reauthorization Act of 1988 (SARA) Title III 302, 304, 311, 312, 313: Methyl Isobutyl Ketone (CAS 108-10-1), Toluol (CAS 108883)

SECTION XVI - OTHER INFORMATION:

*Product is compliant with many national and local VOC content regulations. However, because manufacturer is not familiar with all local VOC requirements, the user is responsible for understanding the local VOC rules and for verifying that the product selections meet the most current VOC requirements of the area in which the products are to be used.