

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

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## **SECTION I - IDENTIFICATION OF PRODUCT AND COMPANY:**

PRODUCT IDENTIFIER: LINING KOTE curing agent (2-part product)  
GHS PRODUCT IDENTIFIER: Global Harmonized System #3208.90.0000  
CHEMICAL TYPE: Modified Amine Solution  
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>
n-Butanol	8.5	000071-36-3	150.00	150.00
Toluene	15.0	108-88-3	150.00	150.00
Xylene	25.5	1330-20-7	150.00	150.00

## **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.:** N/A **FLASH POINT & METHOD:** 45F. TCC

**FLAMMABLE LIMITS: (Lower)** 1% **(Upper)** 8%

**SENSITIVITY TO STATIC DISCHARGE?** NAV

**SENSITIVITY TO MECHANICAL IMPACT?** NAV

**SPECIAL PROCEDURES:** Firefighters should wear full-body protection & SCBA

**MEANS OF EXTINCTION:** Dry Chemical--monoammonium phosphate, potassium chloride, carbon dioxide, high expansion (protenic) ehcmical foam, water spray for large fires.

## **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:** Amber-clear liquid, aromatic-solvent odor  
**SOLUBILITY IN WATER:** Partially soluble  
**FREEZING POINT:** NAP      **BOILING POINT:** N/A      **VOLATILES:** 56.8%  
**SPECIFIC GRAVITY:** .99      **ODOR THRESHOLD:** NAV  
**COEFF. WATER/OIL:** NAV      **EVAPORATION RATE:** 1.4      **VAPOUR**  
**DENSITY (Air = 1):** 1.0      **VAPOUR PRESSURE:** NAV      **pH:** NAP

**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; unstable if contacted with water  
**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. II/F.P.=8C), 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.

