

# MATERIAL SAFETY DATA SHEET



Date Issued: 08/19/2008  
 MSDS No: Sikafloor 225-H  
 Date-Revised: 09/16/2008  
 Revision No: 2

## 1. PRODUCT AND COMPANY IDENTIFICATION

**GENERAL USE:** Hardner  
**PRODUCT DESCRIPTION:** UV Resistant Epoxy Topcoat Hardner  
**PRODUCT CODE:** Sikafloor 225-H

### MANUFACTURER

Sika Corporation, Operations  
 www.sikacorp.com  
 201 Polito Avenue  
 Lyndhurst NJ 07071  
**Service Number:** 201-933-8800  
**Alternate Customer Service:** Fax: 201-804-1076

### SUPPLIER

Sika Corporation, Construction  
 www.sikaconstruction.com  
 201 Polito Avenue  
 Lyndhurst NJ 07071  
**Product Stewardship:** 201-933-8800

### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEMTREC (US Transportation) :**(800) 424 - 9300  
**CHEMTREC (International) :**(703) 527 - 3887

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** Pale Straw colored liquid

**IMMEDIATE CONCERNS:** Caution! Corrosive to eyes. Corrosive to skin. Severe eye irritant. Severe skin irritant. May cause respiratory sensitization. May cause skin sensitization. Keep away from heat and source of ignition.

### POTENTIAL HEALTH EFFECTS

**EYES:** May cause severe irritation with corneal injury, which may result in permanent impairment of vision, even blindness. Vapors may irritate eyes.

**SKIN:** May cause severe injury to skin following prolonged or repeated contact, and may cause skin sensitization or other allergic responses.

**SKIN ABSORPTION:** A single prolonged exposure may result in the material being absorbed in harmful amounts. The LD50 for skin absorption has not been determined.

**INGESTION:** Single dose oral toxicity is low. The oral LD50 has not been determined. Ingestion may cause gastrointestinal irritation or ulceration. Ingestion may cause burns of mouth and throat.

**INHALATION:** May cause respiratory sensitization or asthma in susceptible individuals. Excessive exposure may cause irritation to upper respiratory tract.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**MUTAGENICITY:** Results of in vitro ("test tube") mutagenicity tests have been negative.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Proprietary Blend of Aliphatic and Cycloaliphatic Amines	40 - 70	Mixture	N/A
Benzyl alcohol	5 - 20	100-51-6	202-859-9
Salicylic Acid	1 - 5	69-72-7	N/A

**COMMENTS:** The criteria for listing components in the composition section are as follows: Carcinogens are listed when present at 0.1% or greater; components which are otherwise hazardous according to OSHA are listed when present at 1.0% or greater; non-hazardous components are not listed. This is not intended to be complete compositional disclosure. Refer to section 15 for applicable states right to know and other regulatory information.

#### 4. FIRST AID MEASURES

**EYES:** Immediate and continuous irrigation with flowing water for at least 30 minutes is required. Promptly seek medical attention.

**SKIN:** Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay. Initiate and maintain gentle and continuous irrigation until the patient received medical care. If medical care is not promptly available, continue to irrigate for one hour. Cover wound with sterile dressing.

**INGESTION:** Do Not induce vomiting; give large quantities of water; get immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquids into lungs. Do not give anything by mouth to an unconscious person.

**INHALATION:** If inhaled and irritation occurs, move victim to fresh air. If irritation persists, call a physician. Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.

**NOTES TO PHYSICIAN:** Corrosive. May cause stricture. If lavage is performed, suggest endotracheal and/or esophagosopic control. If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Supportive care. Treatment based on judgement of the physician in response to reactions of the patient.

#### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** (213°F) Penskey-Marten CC

**EXTINGUISHING MEDIA:** Foam, Alcohol Foam, CO<sub>2</sub>, Dry chemical, water fog

**FIRE FIGHTING EQUIPMENT:** Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (including fire fighting helmet, coat, pants, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

#### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Absorb with inert material. Clean up and dispose of at an appropriate waste disposal facility.

**LARGE SPILL:** Evacuate Area. Absorb with inert material. Clean up spill and dispose of at an approved disposal facility.

#### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Keep product in original container. Store in cool, dry well ventilated area.

**HANDLING:** Handle and use in a manner consistent with good industrial/manufacturing techniques and practices.

**COMMENTS:** Ground all transfer equipment. Hold bulk storage under a nitrogen blanket. This product should not come in contact with copper or copper-bearing alloys. Good industrial housekeeping procedure should be followed.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE GUIDELINES**

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Benzyl alcohol	TWA	N.E. [1]	N.E. [1]	N.E. [1]	N.E. [1]	N.E. [1]	N.E. [1]
	STEL	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.
<b>OSHA TABLE COMMENTS:</b>							
1. N.E. = None Established							

**ENGINEERING CONTROLS:** Good industrial hygiene practice dictates that worker protection should be achieved through engineering controls, such as ventilation, whenever feasible. When such controls are not feasible to achieve full protection, the use of respirators and other personal protective equipment is mandated. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** When handling liquid product, chemical goggles should be worn. Chemical safety goggles in combination with a full face shield if a splash hazard exists.

**SKIN:** Wear chemical resistant (impervious) gloves.

**RESPIRATORY:** Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**PROTECTIVE CLOTHING:** Selection of specific items such as boots and apron will depend on operation.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Liquid

**ODOR:** Amine Odor

**APPEARANCE:** Pale straw colored liquid

**VAPOR PRESSURE:** 0.02 mmHg at 20°C (68°F)

**VAPOR DENSITY:** 5.88

**FLASHPOINT AND METHOD:** (213°F) Penskey-Martens CC

**SOLUBILITY IN WATER:** Moderate

**SPECIFIC GRAVITY:** 1.020

**10. STABILITY AND REACTIVITY**

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**STABILITY:** The product is stable under normal ambient conditions of temperature and pressure.

**POLYMERIZATION:** Will not occur

**CONDITIONS TO AVOID:** Can react strongly with epoxy resins at elevated temperatures.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Nitrogen oxides when burned.

**INCOMPATIBLE MATERIALS:** Epoxy resins under uncontrolled conditions.

## 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:** This material may cause significant irritation to the eyes.

**SKIN EFFECTS:** This material may cause significant irritation to the skin.

### CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status
Benzyl alcohol	Not Listed	Not Listed	Not Listed

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** No ecological testing has been conducted on this product.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of according to all federal, state and local regulations.

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Paint

**UN/NA NUMBER:** 3066

**PACKING GROUP:** III

**NAERG:** 153

### ROAD AND RAIL (ADR/RID)

**PROPER SHIPPING NAME:** Paint

**UN NUMBER:** 3066

**PACKING GROUP:** III

### AIR (ICAO/IATA)

**UN/NA NUMBER:** 3066

**PACKING GROUP:** III

**ERG:** 153

### VESSEL (IMO/IMDG)

**SHIPPING NAME:** Paint

**UN/NA NUMBER:** 3066

**PACKING GROUP:** III

### CANADA TRANSPORT OF DANGEROUS GOODS

**UN/NA NUMBER:** 3066

**PACKING GROUP:** III

**CANUTEC GUIDE:** 153

## 15. REGULATORY INFORMATION

**UNITED STATES****TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA REGULATORY:** All intentional ingredients are listed on the TSCA Inventory.

**EUROPEAN COMMUNITY****EUROPEAN COMMUNITY REGULATORY:****EINECS Inventory Status:**

This product, or its components, are listed on or are exempt from the European Inventory of Existing Chemical Substances (EINECS) or the European List of Notified Chemical Substances (ELINCS).

**Canadian Inventory Status:**

This product, or its components, are listed on or are exempt from the Canadian Domestic Substance List (DSL).

**Australian Inventory Status:**

This product, or its components, are listed on or are exempt from the Australian Inventory of Chemical Substances (AICS).

**GENERAL COMMENTS: EU Additional Classification:**

Symbol of Danger: Xn(Harmful) C(Corrosive)

R 20/22 Harmful by inhalation and if swallowed.

R 34 Causes burns

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection

**16. OTHER INFORMATION**

**REVISION SUMMARY:** Revision #: 2 This MSDS replaces the August 20, 2008 MSDS. Any changes in information are as follows:

**HMIS RATING**

<b>HEALTH:</b>	*	<b>2</b>
<b>FLAMMABILITY:</b>		<b>1</b>
<b>PHYSICAL HAZARD:</b>		<b>0</b>
<b>PERSONAL PROTECTION:</b>	<b>D</b>	

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