

# MATERIAL SAFETY DATA SHEET



Date Issued: 08/19/2008  
 MSDS No: Sikafloor 190-R  
 Date-Revised: 09/16/2008  
 Revision No: 2

## 1. PRODUCT AND COMPANY IDENTIFICATION

**GENERAL USE:** Resin

**PRODUCT DESCRIPTION:** Liquid Rich Abrasion Resistant Epoxy Mortar Resin

**PRODUCT CODE:** Sikafloor 190-R

### 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:** Clear to slight yellow liquid

**IMMEDIATE CONCERNS:** CAUTION! May cause eye, skin, and respiratory tract irritation; May cause allergic skin reaction.

### POTENTIAL HEALTH EFFECTS

**EYES:** May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

**SKIN:** May cause allergic reaction.

**SKIN ABSORPTION:** Not Available

**INGESTION:** May cause irritation; Symptoms may include abdominal pain, nausea, vomiting, and diarrhea.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**CHRONIC EFFECTS:** Repeated skin contact may cause irritation or dermatitis.

**MEDICAL CONDITIONS AGGRAVATED:** Allergy, eczema or skin conditions.

**SENSITIZATION:** Possible sensitizer by skin contact.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS	EINECS
Modified Epoxy Resin	60 - 100	Mixture	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:** Immediately flush eyes with plenty of water for two to three minutes. Remove any contact lenses and continue flushing for 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Get medical attention.

**SKIN:** Remove contaminated clothing including shoes and immediately wash affected area with plenty of soap and water. Seek medical attention. Wash contaminated clothing and shoes before reuse.

**INGESTION:** If victim is conscious and alert, give 2-3 glasses of water to dilute. **DO NOT INDUCE VOMITING.** Never give anything by mouth to an unconscious person. Seek immediate medical attention. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

#### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** (310°F) Penskey-Marten CC

**FLAMMABLE LIMITS:**

**Notes:** Not Available

**EXTINGUISHING MEDIA:** Dry Chemical, Foam, Carbon Dioxide (CO<sub>2</sub>), Water Spray

**EXPLOSION HAZARDS:** Decomposition and combustion products may be toxic.

**FIRE FIGHTING PROCEDURES:** As in any fire, wear self-contained breathing apparatus pressure demand (MSHA/NIOSH approved or equivalent) and full protective gear. Toxic vapors may evolve. Fight fires from a safe distance or protected areas. Use of large volumes of water may produce run-off that could be toxic to wildlife and/or pose a hazardous waste disposal issue. Water may not be effective for large fires.

**FIRE FIGHTING EQUIPMENT:** Respiratory and eye protection are required for fire fighting personnel. Full protective equipment (Bunker Gear) and self contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. For small outdoor fires, which may easily be extinguished with a portable fire extinguisher, use of a SCBA may not be required.

#### 6. ACCIDENTAL RELEASE MEASURES

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

**LARGE SPILL:** Construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent spreading of the material.

Wearing the appropriate personal protective equipment designated in Section 8, close or cap valves and/or block or plug hole in leaking container and transfer to another container.

Contain material as described above and call the local fire or police department for immediate emergency assistance.

#### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Keep product in the original container. Store the container in a secure storage area that is preferably locked. Make sure the container does not freeze.

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

**STORAGE:** Store away from incompatible materials. Store away from foodstuff. Keep container closed when not in use- check regularly for leaks.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**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:** To prevent any contact, wear impervious compatible chemical resistant protective clothing such as neoprene or butyl rubber gloves, apron, boots or whole bodysuit, as appropriate.

**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:** Wear compatible chemical resistant protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**WORK HYGIENIC PRACTICES:** Good personal hygiene practices should always be followed.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Slight

**APPEARANCE:** Clear to slight yellow liquid.

**VAPOR DENSITY:** Heavier than air

**BOILING POINT:** Not Applicable

**FLASHPOINT AND METHOD:** (310°F) Penskey-Marten CC

**SOLUBILITY IN WATER:** Partially Soluble

**EVAPORATION RATE:** Is slower than Butyl Acetate

## 10. STABILITY AND REACTIVITY

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

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

**INCOMPATIBLE MATERIALS:** Acids

Bases

Strong Oxidizers

## 11. TOXICOLOGICAL INFORMATION

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

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

**CARCINOGENICITY**

**IARC:** Not listed by IARC

**NTP:** Not listed by NTP

**OSHA:** Not listed by OSHA

**SENSITIZATION:** May be sensitizing to the skin.

**COMMENTS:** To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** No data is available on the product itself.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Mix multi-component materials together and allow to harden. Dispose of waste at an appropriate waste disposal facility according to current applicable laws and regulations.

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Not Regulated

### ROAD AND RAIL (ADR/RID)

**PROPER SHIPPING NAME:** Not Regulated

### AIR (ICAO/IATA)

**SHIPPING NAME:** Not Regulated

### VESSEL (IMO/IMDG)

**SHIPPING NAME:** Not Regulated

### CANADA TRANSPORT OF DANGEROUS GOODS

**SHIPPING NAME:** Not Regulated

## 15. REGULATORY INFORMATION

### UNITED STATES

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

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

**CALIFORNIA PROPOSITION 65:** (component (s) know to the State of California to cause cancer and/or reproductive toxicity and subject to warning and discharge requirements under the "Safe Drinking Water and Toxic Enforcement Act of 1986"): None

### CANADA

**DOMESTIC SUBSTANCE LIST (INVENTORY):** This product and/or its components are listed on DSL.

### 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: Xi (Irritant)

R: 36/38 Irritating to eyes and skin.

R: 43 May cause sensitization by skin contact.

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: C</b>		

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