

MATERIAL SAFETY DATA SHEET



Date Issued: 05/03/2009
 MSDS No: Sikafloor 100 ESD Part R
 Date-Revised: 05/06/2009
 Revision No: 1

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: Sikafloor 100 ESD Part R
PRODUCT CODE: Sikafloor 100 ESD Part 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: Black Liquid

IMMEDIATE CONCERNS: Caution! Harmful or fatal if swallowed. Vapor harmful. Affects central nervous system. Causes severe eye irritation. Causes irritation to the skin and respiratory tract. May be harmful if absorbed through skin. Chronic exposure can cause adverse liver, kidney, and blood effects. Flammable liquid and vapor.

POTENTIAL HEALTH EFFECTS

EYES: Vapors cause eye irritation. Splashes cause severe irritation, possible corneal burns and eye damage.

SKIN: Skin contact results in loss of natural oils and often results in a characteristic dermatitis. May be absorbed through the skin.

SKIN ABSORPTION: May be absorbed through the skin.

INGESTION: Causes burning of mouth, throat, and stomach with abdominal and chest pain, nausea, vomiting, diarrhea, thirst, weakness, and collapse. Aspiration may occur during swallowing or vomiting, resulting in lung damage.

INHALATION: Inhalation of vapors may be irritating to the nose and throat. Inhalation of high concentrations may result in nausea, vomiting, headache, ringing in the ears, and severe breathing difficulties which may be delayed in onset. Substernal pain, cough, and hoarseness are also reported. High vapor concentrations are anesthetic and central nervous system depressants.

MEDICAL CONDITIONS AGGRAVATED: Persons with pre-existing skin disorders or eye problems, or impaired liver, kidney, blood, or respiratory function may be more susceptible to the effects of the substance.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS	EINECS
Bisphenol A Diglycidyl Ether Polymer	40 - 45	25068-38-6	N/A
Graphite	30 - 40	7782-42-5	231-955-3
Xylenes (o-,m-,p- isomers)	20 - 25	1330-20-7	215-535-7
Ethyl benzene	0 - 5	100-41-4	202-849-4

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: Hold eyelids apart and flush thoroughly with water for 15 minutes

SKIN: Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water.

INGESTION: Do not induce vomiting. Dilute with water. Contact physician.

INHALATION: Remove to fresh air.

ADDITIONAL INFORMATION:

In all cases contact a physician immediately if symptoms persist.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: (93°F)

EXTINGUISHING MEDIA: Dry Chemical, Foam, Carbon Dioxide (CO₂), Water Spray

EXPLOSION HAZARDS: Decomposition and combustion products may be toxic. Under stagnant air conditions, vapors may build up and travel back along the ground to an ignition source which may result in a flash back to the source of the vapors.

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.

6. ACCIDENTAL RELEASE MEASURES

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

LARGE SPILL: Contain spill. If spilled in an enclosed area, ventilate and evacuate. Cover with inert material and collect for proper disposal.

7. HANDLING AND STORAGE

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

HANDLING:

Keep away from heat, sparks, sunlight, electrical equipment or flame. VAPORS MAY IGNITE AND EXPLODE. DO NOT SMOKE. Open doors and windows during use. Use adequate local and mechanical ventilation. Wear protective equipment (chemically resistant gloves/goggles/clothing) to prevent direct contact with skin and eyes. Use properly fitted NIOSH vapor cartridge respirator if ventilation is poor. Wash thoroughly with soap and water after use. Remove contaminated clothing after use. Store product in tightly sealed containers in a cool, dry well ventilated area away from

ignition sources.

Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges.

To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material.

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 ³	ppm	mg/m ³	ppm	mg/m ³
Bisphenol A Diglycidyl Ether Polymer	TWA	N.E. ^[1]	N.E. ^[1]	N.E.	N.E.	N.E.	N.E.
	STEL	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.
Graphite	TWA	N.E. ^[1]	5 mg/m ³ ^[1]	N.E.	2 mg/m ³	N.E.	N.E.
	STEL	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.
Xylenes (o-,m-,p- isomers)	TWA	100 ppm ^[1]	N.E. ^[1]	100 ppm	N.E.	N.E.	N.E.
	STEL	N.E.	N.E.	150 ppm	N.E.	N.E.	N.E.
Ethyl benzene	TWA	100 ^[1]	435 ^[1]	100	434	N.E.	N.E.
	STEL	N.E.	N.E.	125	543	N.E.	N.E.
OSHA TABLE COMMENTS:							
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: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an OSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Solvent

APPEARANCE: Black liquid

VAPOR DENSITY: Heavier than air

FLASHPOINT AND METHOD: (93°F)

SOLUBILITY IN WATER: Negligible

EVAPORATION RATE: Is slower than Butyl Acetate

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

CONDITIONS TO AVOID: Heat, flames, ignition source and incompatibles

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, aldehydes.

INCOMPATIBLE MATERIALS: Strong acids, bases, oxidizing agents, mercaptans, and amines under uncontrolled conditions.

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status
Graphite	Not Listed	Not Listed	Not Listed
Xylenes (o-,m-,p- isomers)	Not Listed	Not Listed	Not Listed
Ethyl benzene	Not Listed	Group 2B carcinogen	Not Listed

IARC:

The agent (mixture) is possibly carcinogenic to humans. The exposure circumstance entails exposures that are possibly carcinogenic to humans: Ethyl Benzene Group 2B

SENSITIZATION: May be sensitizing to respiratory system and skin.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Following data for Xylene: When released into the soil, this material may evaporate to a moderate extent. When released into the soil, this material may biodegrade to a moderate extent. When released into water, this material may evaporate to a moderate extent. When released into water this material may biodegrade to a moderate extent. When released into the air, this material may be moderately degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material is expected to have a half-life of less than 1 day. This material is not expected to significantly bioaccumulate.

COMMENTS: No environmental data available for this product. Refer to individual component information.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: May be landfilled according to local, state and federal regulations

FOR LARGE SPILLS:

In case of spill, eliminate all ignition and heat sources. Ventilate area. Open doors and windows. Wear chemical resistant gloves/goggles/clothing. In absence of proper ventilation use properly fitted NIOSH respirator. Confine spill, collect using noncombustible absorbent material and place in properly sealed container. Dispose of excess product in accordance with applicable local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Paint

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: 1263

PACKING GROUP: III

NAERG: 128

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Paint

HAZARD CLASS: 3

PACKING GROUP: III

AIR (ICAO/IATA)

SHIPPING NAME: Paint

UN/NA NUMBER: 1263

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: III

ERG: 128

VESSEL (IMO/IMDG)

SHIPPING NAME: Paint

UN/NA NUMBER: 1263

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: III

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Paint

UN/NA NUMBER: 1263

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: III

CANUTEC GUIDE: 128

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

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"): Ethyl Benzene

INTERNATIONAL REGULATIONS:

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

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

TITLE: MSDS Coordinator

REVISION SUMMARY: Revision #: 1. This MSDS replaces the May 03, 2009 MSDS., , Any changes in information are as follows: In Section 4: Firstaid - Eyes, Firstaid - Skin, Firstaid - Ingestion, Firstaid - Inhalation, Additional Information In Section 7: Handling In Section 13: For Large Spills

HMIS RATING

HEALTH:	*	3
FLAMMABILITY:		3
PHYSICAL HAZARD:		0
PERSONAL PROTECTION:	G	

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