

MATERIAL SAFETY DATA SHEET



Date Issued: 05/03/2009
 MSDS No: Sikafloor 100 ESD Part H
 Date-Revised: 05/06/2009
 Revision No: 2

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: Sikafloor 100 ESD Part H
PRODUCT CODE: Sikafloor 100 ESD Part 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: Amber Liquid

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

POTENTIAL HEALTH EFFECTS

EYES: Material (including vapors) may cause eye irritation, burns or even blindness.

SKIN: May cause allergic reaction. May cause significant irritation to the skin. May cause skin burns.

INGESTION: If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

INHALATION: Vapors may be irritating to the upper respiratory tract (including the nasal area) and eyes. Prolonged or repeated exposure to high concentrations may be harmful and cause adverse effects including labored breathing and drowsiness.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

CARCINOGENICITY: This product contains an ingredients designated IARC as probable human carcinogens: Ethyl Benzene

MEDICAL CONDITIONS AGGRAVATED: Eye disease, Skin disorders and Allergies. Adverse skin effects (such as rash, irritation or corrosion). Adverse eye effects (such as conjunctivitis or corneal damage). Asthma. Adverse respiratory effects (such as cough, tightness of chest or shortness of breath).

TARGET ORGAN STATEMENT: Eyes, Skin, Respiratory System, and Central Nervous System

SENSITIZATION: Possible sensitizer by inhalation and skin contact.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Xylenes (o-,m-,p- isomers)	35 - 45	1330-20-7	215-535-7
Mixed Cycloaliphatic Amines	20 - 30	Mixture	N/A
Benzyl alcohol	20 - 30	100-51-6	202-859-9
1-(2-Aminoethyl) piperazine	5 - 10	140-31-8	205-411-0
Phenol, 2,4,6-tris[(dimethylamino)methyl]-	0 - 5	90-72-2	202-013-9
Cyclohexanamine, 4,4'-methylenebis-	< 5	1761-71-3	217-168-8

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.

NOTES TO PHYSICIAN: Treatment is essentially symptomatic. There is no specific antidote.

ADDITIONAL INFORMATION:

In all cases contact a physician immediately if symptoms persist.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: (87°F)

EXTINGUISHING MEDIA: Use dry chemical, carbon dioxide, and water spray/fog as needed. For large fires alcohol resistant foams are preferred. Synthetic or protein foams can be used, but may not be as effective. Water may not be as effective for large fires.

EXPLOSION HAZARDS: Sealed containers can explode in the heat of fire. Vapors may travel to ignition source because they are heavier than air.

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: Evacuate and ventilate spill area, dike spill to prevent entry into water system, wear appropriate protective equipment including respiratory equipment during clean up.

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.

GENERAL PROCEDURES: Absorb on diatomaceous earth or equivalent inert material. Shovel up and dispose of at an appropriate waste disposal facility according to current applicable laws and regulations, and product characteristics at time of 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
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.
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.
1-(2-Aminoethyl) piperazine	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.
Phenol, 2,4,6-tris[(dimethylamino)methyl]-	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.
Cyclohexanamine, 4,4'-methylenebis-	TWA	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.
	STEL	N.E.	N.E.	N.E.	N.E.	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: 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: 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.

PROTECTIVE CLOTHING: Wear compatible chemical resistant protective aprons and gauntlets to prevent prolonged or repeated skin exposure.

COMMENTS: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

APPEARANCE: Amber Liquid

VAPOR PRESSURE: Not Established

VAPOR DENSITY: Heavier than air

FREEZING POINT: Not Established

POUR POINT: Not Established

FLASHPOINT AND METHOD: (87°F)

SOLUBILITY IN WATER: Partially Soluble

EVAPORATION RATE: Is slower than Butyl Acetate

10. STABILITY AND REACTIVITY

STABLE: Yes

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

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

INCOMPATIBLE MATERIALS: Acides, Alkalis, oxidizing agents such as permanganates and dichromates.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)
1-(2-Aminoethyl) piperazine	2108 mg/Kg (Rat)

ORAL LD₅₀: No LD50 data available for the product. The toxicity of the product may be attributed to the products it contains.

CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status
Xylenes (o-,m-,p- isomers)	Not Listed	Not Listed	Not Listed
Benzyl alcohol	Not Listed	Not Listed	Not Listed
1-(2-Aminoethyl) piperazine	Not Listed	Not Listed	Not Listed
Phenol, 2,4,6-tris[(dimethylamino)methyl]-	Not Listed	Not Listed	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

NTP: Not listed by NTP

OSHA: Not listed by OSHA

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

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.

CHEMICAL FATE INFORMATION: No data found for product.

COMMENTS: No environmental data available for this product.

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.

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.

GENERAL COMMENTS: Refer to Section 6, Accidental Release Measures for additional information.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Flammable Liquid, Corrosive, n.o.s.

TECHNICAL NAME: (Xylene, cycloaliphatic amine, aminoethylpiperazine)

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: 2924

PACKING GROUP: III

NAERG: 132

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Flammable Liquid, Corrosive, n.o.s.

UN NUMBER: 2924

HAZARD CLASS: 3

PACKING GROUP: III

AIR (ICAO/IATA)

SHIPPING NAME: Flammable Liquid, Corrosive, n.o.s.

TECHNICAL NAME: (Xylene, cycloaliphatic amine, aminoethylpiperazine)

UN/NA NUMBER: 2924

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: III

VESSEL (IMO/IMDG)

SHIPPING NAME: Flammable Liquid, Corrosive, n.o.s.

TECHNICAL NAME: (Xylene, cycloaliphatic amine, aminoethylpiperazine)

UN/NA NUMBER: 2924

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: III

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Flammable Liquid, Corrosive, n.o.s.

TECHNICAL NAME: (Xylene, cycloaliphatic amine, aminoethylpiperazine)

UN/NA NUMBER: 2924

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: III

CANUTEC GUIDE: 132

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

CANADA

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

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 Risk and Safety Phrases:

Symbol of Danger: F(Flammable),C(Corrosive), Xn(Harmful)

R 20/22 Harmful by inhalation and if swallowed

R 10 Flammable

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.

S 60 This material must be disposed if as a hazardous waste.

16. OTHER INFORMATION

TITLE: MSDS Coordinator

REVISION SUMMARY: Revision #: 2. This MSDS replaces the May 06, 2009 MSDS. Any changes in information are as follows:
In Section 7: Handling

HMIS RATING

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

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