

MATERIAL SAFETY DATA SHEET



Date Issued: 05/03/2009

MSDS No: sikafloor 340 ESD Polyol

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: Sikafloor 340 ESD Polyol

PRODUCT CODE: Sikafloor 340 ESD Polyol

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 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: May cause eye irritation. Material (including vapors) may cause eye irritation. Possible mild transient corneal injury.

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

INGESTION: Ingestion causes burning sensation in mouth and stomach, nausea, vomiting and salivation. Minute amounts aspirated into the lungs can produce a severe hemorrhagic pneumonitis with severe pulmonary injury or death.

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.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

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

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.

ROUTES OF ENTRY: Eyes, skin contact, inhalation, ingestion

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS	EINECS
Propylene glycol monomethyl ether acetate	30 - 40	108-65-6	203-603-9
Polyol	15 - 25	37625-56-2	N/A
Xylenes (o-,m-,p- isomers)	25 - 35	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: 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: Aspiration hazard. If swallowed, vomiting may occur spontaneously, but **DO NOT INDUCE**. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Never give anything by mouth to an unconscious person. Call a physician immediately.

INHALATION: Remove to fresh air away from further exposure provide oxygen if breathing is difficult. Keep warm and at rest. If cough or other symptoms develop, seek medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: (89.8°F) Penskey-Marten CC

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

FIRE FIGHTING PROCEDURES: Remove all ignition sources. Use a water spray to cool fire exposed containers.

FIRE FIGHTING EQUIPMENT: Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

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

6. ACCIDENTAL RELEASE MEASURES

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

LARGE SPILL: Evacuate non-emergency personnel. Isolate the area and prevent access. Remove ignition sources. Control source of the leak. Ventilate. Contain the spill to prevent spread into drains, sewers, water supplies, or soil.

7. HANDLING AND STORAGE

HANDLING: Use appropriate personal protective equipment as specified in Section 8. Handle in a well ventilated area.

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

STORAGE: Keep away from fire, heat, open flames, lights and other ignition sources.

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
Propylene glycol monomethyl ether acetate	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.
Polyol	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.
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: 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: Wear a respirator approved by NIOSH/MSHA (e.g. organic vapor respirator, a full face air purifying respirator for organic vapors, or a self-contained breathing apparatus) whenever exposure to aerosol, mist, spray, fume or vapor exceed the exposure limit(s) of any chemical substance listed in this MSDS. Use respirator in accordance with manufacturer's use limitations and OSHA standard 1910.134 (29CFR).

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

ODOR: Solvent

APPEARANCE: Clear Liquid

VAPOR DENSITY: Heavier than air

FLASHPOINT AND METHOD: (89.8°F) Penskey-Marten CC

SOLUBILITY IN WATER: Partially Soluble

EVAPORATION RATE: Is slower than Butyl Acetate

DENSITY: 8.3

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

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

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

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide and incomplete oxidation products.

INCOMPATIBLE MATERIALS: Strong oxidizers

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Propylene glycol monomethyl ether acetate	8532 mg/Kg	> 5000 mg/kg	> 5322 ppm/4h

CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status
Propylene glycol monomethyl ether acetate	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

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.

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**PRIMARY HAZARD CLASS/DIVISION:** 3**UN/NA NUMBER:** 1263**PACKING GROUP:** III**NAERG:** 128**ROAD AND RAIL (ADR/RID)****PROPER SHIPPING NAME:** Paint**UN NUMBER:** 1263**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 Risk and Safety Phrases:

Symbol of Danger: F(Flammable),Xi(Irritant), Xn(Harmful)

R 20/21 Harmful by inhalation and in contact with skin.

R 10 Flammable

R 36/38 Irritating to eyes and skin.

R 65 Harmful: may cause lung damage if swallowed.

S 2 Keep out of reach of children.

S 23 Do not breathe fumes/vapor/spray.

S 24/25 Avoid contact with skin and eyes.

S 62 If swallowed, do not induce vomiting: seek medical advice immediately and show the container label.

16. OTHER INFORMATION

TITLE: MSDS Coordinator

REVISION SUMMARY: New MSDS

HMIS RATING

HEALTH:	2
FLAMMABILITY:	3
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	G

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