

MATERIAL SAFETY DATA SHEET



Date Issued: 05/03/2009
 MSDS No: Sikafloor 340 ESD Part R
 Date-Revised: 05/17/2009
 Revision No: 1

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: Sikafloor 340 ESD Part R
PRODUCT CODE: Sikafloor 340 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: Thick gray paste

IMMEDIATE CONCERNS: Flammable. May cause eye, skin, and respiratory tract irritation. Harmful by inhalation and if swallowed. Toxic gases/fumes may be given off during burning or thermal decomposition. Vapors may travel to areas away from work site before igniting/flashing back to vapor source.

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation.

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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
MICA	15 - 30	12001-26-2	N/A
Tin Antimony Oxide	10 - 25	68187-54-2	269-105-9
Xylene	10 - 25	1330-20-7	215-535-7
1-Methoxy-2-Propanol Acetate	5 - 20	108-65-6	203-603-9
Aluminum oxide	5 - 20	1344-28-1	215-691-6
Propylene glycol methyl ether	5 - 20	107-98-2	203-539-1
Silica, crystalline	0 - 15	14808-60-7	238-878-4
Ethyl benzene	< 5	100-41-4	202-849-4
Aromatic Petroleum Naphtha	< 5	64742-95-6	265-199-0

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: (87°F) Penskey-Marten CC

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

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.

HANDLING: 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		SupplierOEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
MICA	TWA	N.E.	2.5 mg/m ³	N.E.	N.E.	N.E.	N.E.
	STEL	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.
Tin Antimony Oxide	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.
Xylene	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.
1-Methoxy-2-Propanol 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.
Aluminum oxide	TWA	N.E. ^[2]	10;5 mg/m ³ ^[2]	N.E.	10 mg/m ³	N.E.	N.E.
	STEL	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.
Propylene glycol methyl ether	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.
Silica, crystalline	TWA	N.E. ^[3]	(0.1) mg/m ³ ^[3]	N.E. ^[4]	0.05 mg/m ³ ^[4]	N.E.	N.E.
	STEL	N.E.	N.E.	N.E.	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.
Aromatic Petroleum Naphtha	TWA	100 ppm		100 ppm			
	STEL	150 ppm					
OSHA TABLE COMMENTS: 1. N.E. = None Established 2. NL = Not Listed 3. 8 hours Form: Respirable dust 4. 8 hours. Form: Respirable fraction							

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: In spray applications, an organic vapor/particulate respirator or air supplied unit is necessary. The use of a positive pressure supplied air respirator is recommended if the airborne concentration is unknown or if spraying is performed in a confined space or area with limited ventilation. If the exposure limit is exceeded and engineering controls are not feasible, a half-face organic respirator may be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES**ODOR:** Solvent**APPEARANCE:** Thick Gray Paste**FLASHPOINT AND METHOD:** (87°F) Penskey-Marten CC**SOLUBILITY IN WATER:** Insoluble**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.**CONDITIONS TO AVOID:** Heat, flames, ignition source and incompatibles**INCOMPATIBLE MATERIALS:** Strong oxidizing agents and strong acids**11. TOXICOLOGICAL INFORMATION****ACUTE**

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
1-Methoxy-2-Propanol Acetate	8532 mg/Kg	> 5000 mg/kg	> 5322 ppm/4h
Aromatic Petroleum Naphtha	4.7 g/kg		> 3370 ppm/8hrs(rat)

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

Chemical Name	NTP Status	IARC Status	OSHA Status
Xylene	Not Listed	Not Listed	Not Listed
1-Methoxy-2-Propanol Acetate	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:** 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)**

UN/NA NUMBER: 1263

PACKING GROUP: III

ROAD AND RAIL (ADR/RID)

UN NUMBER: 1263

PACKING GROUP: III

AIR (ICAO/IATA)

UN/NA NUMBER: 1263

PACKING GROUP: III

VESSEL (IMO/IMDG)

UN/NA NUMBER: 1263

PACKING GROUP: III

CANADA TRANSPORT OF DANGEROUS GOODS

UN/NA NUMBER: 1263

PACKING GROUP: III

15. REGULATORY INFORMATION**UNITED STATES****TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
Aluminum oxide	1344-28-1

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

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: Revision #: 1. This MSDS replaces the May 03, 2009 MSDS.

HMIS RATING

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

MANUFACTURER DISCLAIMER: The information contained in this Material Safety Data Sheet applies only to the actual Sika Corporation ("Sika") product identified and described herein. This information is not intended to address, nor does it address the use or application of the identified Sika product in combination with any other material, product or process. All of the information set forth herein is based on technical data regarding the identified product that Sika believes to be reliable as of the date hereof. Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's current Technical Data Sheet, product label and Material Safety Data Sheet for each Sika product, which are available at web site and/or telephone number listed in Section 1 of this MSDS.

SIKA MAKES NO WARRANTIES EXPRESSED OR IMPLIED AND ASSUMES NO LIABILITY ARISING FROM THIS INFORMATION OR ITS USE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES AND SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.

All sales of Sika products are subject to its current terms and conditions of sale available at www.sikscorp.com or 201-933-8800.