

MATERIAL SAFETY DATA SHEET



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

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: Sikafloor 340 ESD Part C

PRODUCT CODE: Sikafloor 340 ESD Part C

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: May cause skin irritation.

INGESTION: Harmful if swallowed.

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.

PROP 65:WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm

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).

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:	G	

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



Material Safety Data Sheet

Sikafloor 340 - Part H

1. Product and company identification

Product name : Sikafloor 340 - Part H
Supplier : Sika Corporation, Construction
201 Polito Avenue
Lyndhurst, NJ 07071
www.sikaconstruction.com
Telephone no. : (201) 933 - 8800
Fax no. : (201) 804 - 1076
In case of emergency : CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887
Manufacturer : Sika Corporation, Operations
201 Polito Avenue
Lyndhurst, NJ 07071
www.sikacorp.com
Telephone no. : (201) 933 - 8800
Validation date : 15. August 2009.
Print date : 15. August 2009.
Product type : Liquid.

2. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>%</u>
POLYISOCYANATE PREPOLYMER	MIXTURE	60 - 100
PROPRIETARY ADDITIVE		5 - 10

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

3. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential acute health effects

Inhalation : Toxic by inhalation. Severely irritating to the respiratory system. May cause sensitization by inhalation. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Ingestion : Toxic if swallowed.

Skin : Irritating to skin. May cause sensitization by skin contact.

Eyes : Irritating to eyes.

See toxicological information (section 11)

4. First aid measures

Eye contact : Check for and remove any contact lenses. Get medical attention. Immediately flush eyes with plenty of water for at least 15 minutes.

Skin contact : Get medical attention immediately. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse.

4 . First aid measures

- Inhalation** : Get medical attention immediately. Move exposed person to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Maintain an open airway. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. In the event of any complaints or symptoms, avoid further exposure.
- Ingestion** : Get medical attention immediately. Wash out mouth with water. Move exposed person to fresh air. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

5 . Fire-fighting measures

- Flammability of the product** : Flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.
- Extinguishing media**
- Suitable** : Use dry chemical, CO₂, water spray (fog) or foam.
- Not suitable** : Do not use water jet.
- Special exposure hazards** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- Hazardous combustion products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 . Accidental release measures

- Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

6 . Accidental release measures

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.

7 . Handling and storage

- Handling** : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. 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. Empty containers retain product residue and can be hazardous. Do not reuse container.

- Storage** : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8 . Exposure controls/personal protection

Product name

hexamethylene-di-isocyanate

Exposure limits

ACGIH TLV (United States, 1/2008).

TWA: 0.03 mg/m³ 8 hour(s).

TWA: 0.01 ppm 8 hour(s).

NIOSH REL (United States, 6/2008).

CEIL: 0.02 ppm 10 minute(s).

CEIL: 140 ug/m³ 10 minute(s).

TWA: 0.005 ppm 10 hour(s).

TWA: 35 ug/m³ 10 hour(s).

- Engineering measures** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

8 . Exposure controls/personal protection

- 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.
- Hands** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Eyes** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
- Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

9 . Physical and chemical properties

- Flash point** : Closed cup: 46°C (114.8°F)
- Odor** : Characteristic.
- Boiling/condensation point** : 163°C (325.4°F)
- Density** : ~1.1 g/cm³
- Vapor pressure** : 0.53 kPa (4 mm Hg)

10 . Stability and reactivity

- Stability** : The product is stable.
- Conditions to avoid** : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.
- Materials to avoid** : Reactive or incompatible with the following materials:
oxidizing materials
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- Hazardous polymerization** : Under normal conditions of storage and use, hazardous polymerization will not occur.

11 . Toxicological information

Potential chronic health effects

- Chronic effects** : Contains material that may cause target organ damage, based on animal data. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney and nervous system damage. Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.

Acute toxicity

- Conclusion/Summary** : Not available.

12 . Ecological information

Environmental effects : No known significant effects or critical hazards.

13 . Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14 . Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Additional information
DOT Classification	UN1263	Paint	3	III	-
TDG Classification	UN1263	Paint	3	III	-
ADR/RID Class	UN1263	Paint	3	III	-
IMDG Class	UN1263	Paint	3	III	Emergency schedules (EmS) F-E, S-E
IATA-DGR Class	UN1263	Paint	3	III	-

PG* : Packing group

15 . Regulatory information

U.S. Federal regulations : **United States inventory (TSCA 8b)**: All components are listed or exempted. TSCA 8(d) H and S data reporting: hexamethylene-di-isocyanate: 1990
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: No products were found.
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.

United States inventory (TSCA 8b) : All components are listed or exempted.

16 . Other information

Hazardous Material Information System (U.S.A.) :

Health	*	2
Flammability		2
Physical hazards		0
Personal Protection Equipment		D

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

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✔ Indicates information that has changed from previously issued version.

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Material Safety Data Sheet

Sikafloor 340 - Part R

1. Product and company identification

Product name : Sikafloor 340 - Part R
Supplier : Sika Corporation, Construction
201 Polito Avenue
Lyndhurst, NJ 07071
www.sikaconstruction.com
Telephone no. : (201) 933 - 8800
Fax no. : (201) 804 - 1076
In case of emergency : CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887
Manufacturer : Sika Corporation, Operations
201 Polito Avenue
Lyndhurst, NJ 07071
www.sikacorp.com
Telephone no. : (201) 933 - 8800
Validation date : **1. September 2009.**
Print date : 1. September 2009.
Product type : Liquid.

2. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>%</u>
2-methoxy-1-methylethyl acetate	108-65-6	40 - 45
tert-butyl acetate	540-88-5	5 - 10

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

3. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential acute health effects

Inhalation : Irritating to respiratory system.
Ingestion : Harmful if swallowed.
Skin : Slightly irritating to the skin.
Eyes : Irritating to eyes.

See toxicological information (section 11)

4. First aid measures

Eye contact : Check for and remove any contact lenses. Get medical attention. Immediately flush eyes with plenty of water for at least 15 minutes.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention if symptoms occur. Wash clothing before reuse.

Inhalation : Move exposed person to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. Maintain an open airway.

4 . First aid measures

- Ingestion** : Wash out mouth with water. Move exposed person to fresh air. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention. Never give anything by mouth to an unconscious person.
- Notes to physician** : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5 . Fire-fighting measures

- Flammability of the product** : Flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

Extinguishing media

- Suitable** : Use dry chemical, CO₂, water spray (fog) or foam.
- Not suitable** : Do not use water jet.
- Special exposure hazards** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- Hazardous combustion products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 . Accidental release measures

- Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.
- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.

7 . Handling and storage

- Handling** : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. 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. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Storage** : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8 . Exposure controls/personal protection

Product name

2-methoxy-1-methylethyl acetate

tert-butyl acetate

Exposure limits

AIHA WEEL (United States, 1/2008).

TWA: 50 ppm 8 hour(s).

ACGIH TLV (United States).

TWA: 200 ppm

OSHA PEL (United States).

TWA: 200 ppm

- Engineering measures** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Personal protection**
- 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.
- Hands** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Eyes** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

8 . Exposure controls/personal protection

- Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

9 . Physical and chemical properties

- Flash point** : Closed cup: 46°C (114.8°F)
Odor : Characteristic.
Boiling/condensation point : 98°C (208.4°F)
Density : ~1.04 g/cm³

10 . Stability and reactivity

- Stability** : The product is stable.
Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.
Materials to avoid : Reactive or incompatible with the following materials:
oxidizing materials
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerization : Under normal conditions of storage and use, hazardous polymerization will not occur.

11 . Toxicological information

Acute toxicity

- Conclusion/Summary** : Not available.

12 . Ecological information

- Environmental effects** : No known significant effects or critical hazards.

13 . Disposal considerations

- Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14 . Transport information

14 . Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Additional information
DOT Classification	UN1263	Paint	3	III	Remarks DOT Exception Combustible Rule 49CFR 173.150 (f) May Apply
TDG Classification	UN1263	Paint	3	III	-
ADR/RID Class	UN1263	Paint	3	III	-
IMDG Class	UN1263	Paint	3	III	Emergency schedules (EmS) F-E, S-E
IATA-DGR Class	UN1263	Paint	3	III	-

PG* : Packing group

15 . Regulatory information

- U.S. Federal regulations** : TSCA 8(a) PAIR: 2-methoxy-1-methylethyl acetate
United States inventory (TSCA 8b): All components are listed or exempted.
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: 2-methoxy-1-methylethyl acetate
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: 2-methoxy-1-methylethyl acetate: Fire hazard
- State regulations** :
- Massachusetts Substances:** The following components are listed:
Polyester Polyol
 - New Jersey Hazardous Substances:** The following components are listed:
Polyester Polyol
 - Pennsylvania RTK Hazardous Substances:** The following components are listed:
Polyester Polyol
- United States inventory (TSCA 8b)** : All components are listed or exempted.

16 . Other information

Hazardous Material Information System (U.S.A.) :

Health	*	2
Flammability		2
Physical hazards		0
Personal Protection Equipment		D

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16 . Other information

The customer is responsible for determining the PPE code for this material.

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✔ Indicates information that has changed from previously issued version.

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