

MATERIAL SAFETY DATA SHEET



Date Issued: 05/03/2009

MSDS No: Sikafloor 340 ESD Part H

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: Sikafloor 340 ESD Part H**PRODUCT CODE:** Sikafloor 340 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: Clear to slight yellow liquid**IMMEDIATE CONCERNS:** Caution! Possible sensitizer. Reacts with common materials including water, alcohols, bases and amines releasing large amounts of carbon dioxide. May cause skin, eye and respiratory tract irritation. May cause allergic skin reaction.

POTENTIAL HEALTH EFFECTS

EYES: Causes eye irritation.**SKIN:** Low acute dermal toxicity. May cause irritation. May cause allergic reaction.**INGESTION:** May be harmful if swallowed**INHALATION:** May be harmful if inhaled. May cause respiratory tract irritation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

CHRONIC EFFECTS: This product does not contain any ingredients designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.**MEDICAL CONDITIONS AGGRAVATED:** Skin Allergies

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Hexane, 1,6-Diisocyanato-,Homopolymer	> 99	28182-81-2	N/A
Hexamethylene Diisocyanate (HDI)	< 0.3	822-06-0	212-485-8

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: 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: If victim is conscious and alert, give 2-3 glasses of water to drink and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Seek immediate medical attention. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

INHALATION: Inhalation is not an expected route of exposure. If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

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

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: 170°C (338°F) Closed Cup

FLAMMABLE LIMITS: No Data

AUTOIGNITION TEMPERATURE: 480°C (896°F)

FLAMMABLE CLASS: Will Burn

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb with an inert absorbent. Sweep up and place in an appropriate closed container. Clean up spill area with a decontaminating solution made up of 50% isopropanol, 45% water and 5% concentrated ammonia solution. The solution should cover the area for at least one hour. Collect washing for disposal.

7. HANDLING AND STORAGE

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

STORAGE: Keep container tightly closed. Keep container in a cool, well ventilated area.

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
Hexane, 1,6-Diisocyanato-,Homopolymer	TWA	N.E. ^[1]	N.E. ^[1]	N.E. ^[1]	N.E. ^[1]	.5 mg/m ³ ^[1]	N.E. ^[1]
	STEL	N.E. ^[1]	N.E. ^[1]	N.E.	N.E.	1.0 mg/m ³	N.E.
Hexamethylene Diisocyanate (HDI)	TWA	N.E. ^[1]	N.E. ^[1]	.005	N.E.	N.E. ^[1]	N.E. ^[1]
	STEL	N.E. ^[1]	N.E. ^[1]	N.E. ^[1]	N.E. ^[1]	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: Wear safety glasses with side shields or goggles when handling this material.

SKIN: Skin contact should be minimized through use of gloves and suitable long-sleeved clothing. Consideration must be given both to durability as well as permeation resistance.

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: Protective clothing such as coveralls or lab coats should be worn. Launder or dry-clean when soiled.

WORK HYGIENIC PRACTICES: Good personal hygiene practices should always be followed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Flash Point (°C)	Boiling Point (°C)	Solubility in Water	Specific Gravity
Hexane, 1,6-Diisocyanato-,Homopolymer		150	Reacts	1.13
Hexamethylene Diisocyanate (HDI)	284		Reacts	1.04

ODOR: Odorless

APPEARANCE: Clear to slight yellow liquid.

pH: Not Applicable

VAPOR PRESSURE: 12 mmHg at 50°C (122°F)

VAPOR DENSITY: Not Available

BOILING POINT: 220°C (428°F) at 760 mmHg

MELTING POINT: Not Available

FLASHPOINT AND METHOD: 170°C (338°F) Closed Cup

SOLUBILITY IN WATER: Reacts

SPECIFIC GRAVITY: 1.120 at 25°C (77°F)

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: Extreme Heat

Open Flame
Moisture

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, and oxides of nitrogen.

INCOMPATIBLE MATERIALS: Water, Strong Bases, Strong Acids, Strong Oxidizing Agents, Alcohols, Amines

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Hexane, 1,6-Diisocyanato-,Homopolymer	> 2000 mg/kg	> 2.18 mg/L/4hr

EYES: 0.1 ml rabbit mildly irritating.

DERMAL LD₅₀: > 2000 mg/kg (rabbit)

SKIN ABSORPTION: 0.5 ml, rabbit. Mildly irritating.

Notes: Skin-sensitization, guinea pig. Sensitizing. Data for 1,6-hexamethylene di-isocyanate.

ORAL LD₅₀: > 5000 mg/kg (rat)

INHALATION LC₅₀: > 1.18 mg/l

EYE EFFECTS: This material may cause irritation to the eyes.

SKIN EFFECTS: This material may cause sensitization and irritation to the skin.

CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status	Other
Hexane, 1,6-Diisocyanato-,Homopolymer	Not Listed	Not Listed	Not Listed	None
Hexamethylene Diisocyanate (HDI)	Not Listed	Not Listed	Not Listed	None

IARC: Listed by IARC - No

NTP: Listed by NTP - No

OSHA: Listed by OSHA - No

SENSITIZATION: May be sensitizing to the skin.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data is available on the product itself.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of according to all federal, state and local regulations.

EMPTY CONTAINER: Any containers or equipment used should be decontaminated immediately after use. Containers should be crushed or punctured.

14. TRANSPORT INFORMATION**DOT (DEPARTMENT OF TRANSPORTATION)**

PROPER SHIPPING NAME: Not Regulated

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Not Regulated

AIR (ICAO/IATA)

SHIPPING NAME: Not Regulated

VESSEL (IMO/IMDG)

SHIPPING NAME: Not Regulated

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Not Regulated

15. REGULATORY INFORMATION**UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

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

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Hexamethylene Diisocyanate (HDI)

CERCLA RQ: 100lbs.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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

CALIFORNIA PROPOSITION 65: (component (s) known 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"): None

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 Additional Classification

Symbol of Danger: Xi (Irritant)

R: 36/38 Irritating to eyes and skin.

R: 43 May cause sensitization by skin contact.

S: 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

16. OTHER INFORMATION

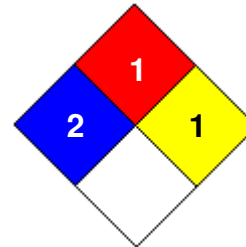
TITLE: MSDS Coordinator

REVISION SUMMARY: New MSDS

HMIS RATING

HEALTH:	2
FLAMMABILITY:	1
PHYSICAL HAZARD:	1
PERSONAL PROTECTION:	G

NFPA CODES



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