

# MATERIAL SAFETY DATA SHEET



Date Issued: 05/03/2009

MSDS No: Sikafloor 422 ESD/422 C Part H

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT DESCRIPTION:** Sikafloor 422 ESD/ Sikafloor 422C Part H

**PRODUCT CODE:** Sikafloor 422 ESD/ Sikafloor 422C 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:** Colorless translucent liquid

**IMMEDIATE CONCERNS:** CAUTION! May cause eye and skin irritation.

### POTENTIAL HEALTH EFFECTS

**EYES:** May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

**SKIN:** May cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning and cracking of the skin.

**INGESTION:** If swallowed, keep at rest and call a physician. Do not induce vomiting unless directed to do so by a medical professional.

**INHALATION:** Single exposure to vapors is not likely to be hazardous.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**CHRONIC EFFECTS:** No long-term chronic effects or carcinogenicity data are known or available on this product.

**CARCINOGENICITY:** Not Listed by NTP

Not listed by IARC

Not listed by OSHA

**MEDICAL CONDITIONS AGGRAVATED:** Not determined

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Polyurethane Polymer	35 - 65	N/A	N/A
Water	5 - 10	7732-18-5	231-791-2
Dipropylene glycol methyl ether	< 1	34590-94-8	252-104-2
Diethylene Glycol Methyl Ether	< 1	111-77-3	203-906-6

**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 dilute. DO NOT INDUCE VOMITING. Never 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:** 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:** (215°F) Penskey-Marten CC

**GENERAL HAZARD:** Evacuate personnel downwind of fire to avoid inhalation of irritating and/or harmful fumes and smoke.

**EXTINGUISHING MEDIA:** Dry Chemical, Foam or Carbon Dioxide. Water spray may be used to keep fire exposed containers cool, dilute spills to nonflammable mixtures, protect personnel attempting to stop leak and disperse vapors.

**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.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Monoxide and other toxic vapors.

#### 6. ACCIDENTAL RELEASE MEASURES

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

**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.

## ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Not yet Determined

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

**STORAGE:** Store in a cool, dry place. Keep container closed when not in use.

## 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 <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Polyurethane Polymer	TWA	N.E. <sup>[1]</sup>	N.E. <sup>[1]</sup>	N.E.	N.E.	N.E.	N.E.
	STEL	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.
Dipropylene glycol methyl ether	TWA	100 ppm	N.E.	100 ppm	N.E.	N.E.	N.E.
	STEL	N.E.	N.E.	150 ppm	N.E.	N.E.	N.E.
Diethylene Glycol Methyl Ether	TWA	N.E. <sup>[1]</sup>	N.E. <sup>[1]</sup>	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:** Wear safety glasses with side shields or goggles when handling this material.

**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:** Use NIOSH approved equipment. Appropriate respiratory protection for respirable particulates is based on consideration of airborne workplace concentrations and duration of exposure arising from the intended end use. Please refer to the most recent standards of ANSI(Z88.22), OSHA (29CFR 1910.134, MSHA (30 CFR Parts 56 &57), and NIOSH RDL. If you are unsure as to the type of respirator to be used please consult your employer.

**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:** Colorless translucent liquid

**COLOR:** colorless

**FLASHPOINT AND METHOD:** (215°F) Penskey-Marten CC

## 10. STABILITY AND REACTIVITY

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**CONDITIONS TO AVOID:** Not yet Determined

**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustion of the dried polymer may release: Carbon Dioxide, Carbon Monoxide, and Nitrous Oxide

## 11. TOXICOLOGICAL INFORMATION

### ACUTE

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Dipropylene glycol methyl ether	5200 mg/Kg (Rat)	9500 mg/kg	> 500 ppm/7 hr (Rat)
Diethylene Glycol Methyl Ether	7128 mg/Kg (Rat)	9404 mg/kg	> 2000 mg/cu.m, 1 HR (Rat)

### CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status
Polyurethane Polymer	Not Listed	Not Listed	Not Listed
Diethylene Glycol Methyl Ether	Not Listed	Not Listed	Not Listed

**IARC:** Not listed by IARC

**NTP:** Not listed by NTP

**OSHA:** Not listed by OSHA

**GENERAL COMMENTS:** This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human carcinogens.

## 12. ECOLOGICAL INFORMATION

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

**COMMENTS:** No environmental data available for this product. Refer to individual component information.

## 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.

#### 14. TRANSPORT INFORMATION

##### DOT (DEPARTMENT OF TRANSPORTATION)

**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

##### TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Water	7732-18-5

**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"): None

##### CANADA

**DOMESTIC SUBSTANCE LIST (INVENTORY):** This product and/or its components are list 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**

<b>HEALTH:</b>	<b>1</b>
<b>FLAMMABILITY:</b>	<b>0</b>
<b>PHYSICAL HAZARD:</b>	<b>0</b>
<b>PERSONAL PROTECTION:</b>	<b>G</b>

**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](http://www.sikscorp.com) or 201-933-8800.