

# MATERIAL SAFETY DATA SHEET



Date Issued: 05/03/2009

MSDS No: Sikafloor 422 ESD Part R

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT DESCRIPTION:** Sikafloor 422 ESD Part R

**PRODUCT CODE:** Sikafloor 422 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:** Gray Liquid

**IMMEDIATE CONCERNS:** Caution! May cause mild skin irritation. Contains silica which can cause cancer.

### POTENTIAL HEALTH EFFECTS

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

**SKIN:** May cause eye irritation.

**SKIN ABSORPTION:** Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

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

**INHALATION:** Breathing small amounts of vapor and mist is possible and during normal handling is not likely to cause harmful effects. Breathing large amounts of vapor or mist may be harmful, usually in high concentrations.

**COMMENTS:** The silicate hazards are applicable when the wet product dries out, and a proportion of it may become airborne as respirable dust.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Polyurethane Polymer	35 - 65	N/A	N/A
Tin Antimony Oxide	10 - 15	68187-54-2	269-105-9
Silicates (less than 1% crystalline silica )Mica (Respirable dust)-See Regulatory Reference Note k.	5 - 10	12001-26-2	N/A
Silica, crystalline	5 - 10	14808-60-7	238-878-4

**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:** 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.

**COMMENTS:** In all cases, if symptoms develop, consult a physician.

#### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** (212°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.

**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:** Evacuate Area. Absorb with inert material. Clean up spill and dispose of at an approved disposal facility.

#### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Not Established

**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.
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.
Silicates (less than 1% crystalline silica )Mica (Respirable dust)-See Regulatory Reference Note k.	TWA	N.E.	2.5 mg/m <sup>3</sup>	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. <sup>[2]</sup>	(0.1) mg/m <sup>3</sup> <sup>[2]</sup>	N.E. <sup>[3]</sup>	0.05 mg/m <sup>3</sup> <sup>[3]</sup>	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
2. 8 hours Form: Respirable dust
3. 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:** 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:** 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:** Wear compatible chemical resistant protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**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:** Gray Liquid

**FLASHPOINT AND METHOD:** (212°F) Penskey-Marten CC

## 10. STABILITY AND REACTIVITY

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

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

## 11. TOXICOLOGICAL INFORMATION

### CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status
Polyurethane Polymer	Not Listed	Not Listed	Not Listed

**IARC:** The agents (mixture) is possible carcinogen to humans. The exposure circumstances entails exposures that are possibly carcinogen to humans:

Crystalline Silicate (respirable form)

**NTP:** Respirable crystalline silica has been listed in the sixth Annual Report on Carcinogens.

**TERATOGENIC EFFECTS:** Not Available

**MUTAGENICITY:** Not Available

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Crystalline silica (quartz) is not known to be ecotoxic; i.e., there is no data which suggests that crystalline silica (quartz) is toxic to birds, fish, invertebrates, microorganisms or plants.

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

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Waste disposal should be in accordance with existing federal, state and local environmental control laws. Incineration is the preferred method.

## 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)**

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

**CALIFORNIA PROPOSITION 65:** Crystalline silica (quartz) is classified as a substance known to the State of California to be a carcinogen.

**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>

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