



MATERIAL SAFETY DATA SHEET

Sikafloor® 510 Part B

HMIS

HEALTH	*2
FLAMMABILITY	1
REACTIVITY	1
PERSONAL PROTECTION	D

1. Product And Company Identification

Supplier

Sika Corporation
201 Polito Ave
Lyndhurst, NJ 07071

Company Contact: EHS Department
Telephone Number: 201-933-8800
FAX Number: 201-933-9379
Web Site: www.sikausa.com

Manufacturer

Sika Corporation
201 Polito Ave
Lyndhurst, NJ 07071

Company Contact: EHS Department
Telephone Number: 201-933-8800
FAX Number: 201-933-9379
Web Site: www.sikausa.com

Supplier Emergency Contacts & Phone Number

CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887

Manufacturer Emergency Contacts & Phone Number

CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887

Issue Date: 11/02/2007

Product Name: Sikafloor® 510 Part B
CAS Number: Not Established
Chemical Family: Aliphatic Polyisocyanate
MSDS Number: 4204
Product Code: experimental

2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
HOMOPOLYMER OF 1, 6 HEXAMETHYLENE DIISOCYANATE	28182-81-2	

3. Hazards Identification

Eye Hazards

Causes eye irritation.

Skin Hazards

Causes skin irritation. Prolonged and/or repeated skin contact may cause an allergic reaction/sensitization.

Ingestion Hazards

Harmful if swallowed.

Inhalation Hazards

Causes nose, throat, and lung irritation. May cause an allergic respiratory reaction / sensitization after prolonged or repeated contact.

MATERIAL SAFETY DATA SHEET

Sikafloor® 510 Part B

3. Hazards Identification - Continued

Conditions Aggravated By Exposure

Skin Allergies, Eczema, Asthma, Respiratory disorders

4. First Aid Measures

Eye

In case of contact, hold eyelids apart and immediately flush eyes with plenty of tepid water for at least 15 minutes. Get medical attention immediately if irritation develops and persists.

Skin

In case of contact, immediately flush skin with soap and plenty of tepid water for at least 15 minutes. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

Ingestion

If victim is fully conscious do not induce vomiting, give one or two cups of water or milk to drink. Call a physician or a poison control center immediately.

Inhalation

Remove to fresh air. If not breathing, give artificial respiration, seek medical attention.

5. Fire Fighting Measures

Flash Point: 379 °F 193 °C

Autoignition Point: N/AV °F

Lower Explosive Limit: N/AV

Upper Explosive Limit: N/AV

Fire And Explosion Hazards

During a fire, irritating and/or toxic gases and aerosols from the decomposition/combustion products may be present.

Extinguishing Media

In case of fire, use water spray (fog) foam, dry chemical, or CO₂.

Fire Fighting Instructions

In the event of a fire, firefighters should wear full protective clothing and NIOSH-approved self-contained breathing apparatus with a full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Avoid release to the environment. Use appropriate Personal Protective Equipment (PPE). Contain spill and collect with absorbent material and transfer into suitable containers. Do not flush to sewer or allow to enter waterways. Ventilate enclosed area.

7. Handling And Storage

Handling And Storage Precautions

Keep out of reach of children. Store in a cool, dry, well ventilated area. Keep containers tightly closed.

Handling Precautions

Do not smoke. Use only in well ventilated areas. Use only with ventilation sufficient to reduce potential exposures (air borne levels of dust, fumes, vapors, etc.) to below recommended exposure limits.

Storage Precautions

Do not store near excessive heat. Store in tightly closed containers and protect from moisture and foreign material. Ideal storage temperature less than 122F. If maximum storage temperature is exceeded, material may prematurely polymerize without hazard.

MATERIAL SAFETY DATA SHEET

Sikafloor® 510 Part B

7. Handling And Storage - Continued

Work/Hygienic Practices

Wash thoroughly with soap and water after handling.

8. Exposure Controls/Personal Protection

Engineering Controls

Use of a system of local and/or general exhaust is recommended to keep employee below applicable exposure limits. Refer to the current edition of "Industrial Ventilation: A Manual of Recommended Practice" published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

Eye/Face Protection

Safety glasses with side shields or goggles.

Skin Protection

Chemical-resistant gloves. Lab coat or other work clothing to prevent skin exposure (Long sleeve shirt and long pants). Launder before reuse.

Respiratory Protection

A respirator protection program that meets 29 CFR 1910.134 requirement must be followed whenever workplace conditions warrant a respirator's use. In areas where the Permissible Exposure Limits are exceeded, use a properly fitted NIOSH-approved respirator.

Other/General Protection

Wash thoroughly after handling.

9. Physical And Chemical Properties

Appearance

Colorless to light yellow

Odor

Slight

Chemical Type: Mixture

Physical State: Liquid

Melting Point: N/AV °F

Boiling Point: N/AV °F

Specific Gravity: 1.15 @20C (68F)

Molecular Weight: 500 Approx.

Percent VOCs: Approx. 3.8%

Packing Density: 9.6 lb/gal

Vapor Pressure: HDI Polyisocyanate: 5.2×10^{-9} @68F (20C) mmHg

Vapor Density: > Air

pH Factor: N/A

Solubility: Insoluble - Reacts slowly with water to liberate CO₂ gas

Viscosity: Approx. 726 mPa.s @23C (73.4F)

Evaporation Rate: Slower than ether

VOC Content (A+B): 40 grmas/liter

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

MATERIAL SAFETY DATA SHEET

Sikafloor® 510 Part B

10. Stability And Reactivity - Continued

Conditions To Avoid (Stability)

None Known

Incompatible Materials

Water, Amines, Strong bases, Alcohols, copper alloys

Hazardous Decomposition Products

By Fire and high Heat: Carbon Dioxide, Carbon Monoxide, and Oxides of Nitrogen, dense black smoke, Hydrogen cyanide, Isocyanate, Isocyanic Acid, Other undetermined compounds

Conditions To Avoid (Polymerization)

Contact with moisture, or other materials that react with isocyanates, or temperatures above 350F (177C), may cause polymerization.

11. Toxicological Information

Conditions Aggravated By Exposure

Eye disease, skin disorders and allergies, chronic respiratory conditions.

12. Ecological Information

No Data Available...

13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations. Waste generators must determine whether a discarded material is classified as a hazardous waste. USEPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

14. Transport Information

Proper Shipping Name

Other Regulated Substances, liquid, NOS (contains Hexamethylene-1,6-Diisocyanate)

Hazard Class

9

DOT Identification Number

NA3082

DOT Shipping Label

Class 9

Freight Class

III

15. Regulatory Information

U.S. Regulatory Information

All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SARA Hazard Classes

Acute Health Hazard
Chronic Health Hazard

MATERIAL SAFETY DATA SHEET

Sikafloor® 510 Part B

16. Other Information

HMIS Rating

Health: *2

Fire: 1

Reactivity: 1

PPE: D

Revision/Preparer Information

MSDS Preparer: EHS Department

MSDS Preparer Phone Number: 201 933 8800

This MSDS Supercedes A Previous MSDS Dated: 10/22/2007

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 EXPRESS 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.sikacorp.com or 201-933-8800.

Sika Corporation

Printed Using MSDS Generator™ 2000