

MATERIAL SAFETY DATA SHEET

Sikaflex® 221

HMSIS

HEALTH	2
ENVIRONMENT	1
REACTIVITY	0
PERSONAL PROTECTION	C

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: 06/18/2004

Product Name: Sikaflex® 221  
CAS Number: Not Established  
Chemical Family: Polyurethane  
MSDS Number: 3231  
Product Code: 0221541

2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Total Weight
POLYISOCYANATE PREPOLYMER	Trade Secret	
XYLENE (MIXED ISOMERS)	1330-20-7	

3. Hazards Identification

Eye Hazards

May cause eye irritation.

Skin Hazards

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

Ingestion Hazards

May be harmful if swallowed.

Inhalation Hazards

May cause nose, throat, and lung irritation. May cause respiratory tract irritation. Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney

# MATERIAL SAFETY DATA SHEET

## Sikaflex® 221

### 3. Hazards Identification - Continued

#### Inhalation Hazards - Continued

and Central Nervous System damage. Headaches and dizziness may result. Chronic exposure to Xylene may damage a developing fetus and damage bone marrow causing a low blood count.

### 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 swallowed, do not induce vomiting unless directed to do so by medical personnel. If victim is fully conscious, give one or two cups of water or milk to drink. Seek medical attention immediately.

#### Inhalation

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

### 5. Fire Fighting Measures

Flash Point: N/A °F

Flash Point Method: Solid per ASTM D4359

Autoignition Point: N/A °F

Lower Explosive Limit: N/A

Upper Explosive Limit: N/A

#### 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 CO<sub>2</sub>.

#### Fire Fighting Instructions

Firefighters should wear self-contained breathing apparatus and full protective gear.

### 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. Not for internal consumption.

#### Handling Precautions

Condition to 65 - 85F before using. If closed container is exposed to heat, pressure can build up. If moisture enters container, pressure may build up due to reaction.

#### Storage Precautions

Store at 40 - 95F. Store in cool dry area in tightly closed containers, away from sparks and open flames.

# MATERIAL SAFETY DATA SHEET

## Sikaflex® 221

### 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. 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.

#### Ingredient(s) - Exposure Limits

- POLYISOCYANATE PREPOLYMER
- ACGIH TLV: NOT ESTABLISHED
- OSHA PEL: NOT ESTABLISHED
- IARC: NC
- NTP: NO
- XYLENE (MIXED ISOMERS)
- ACGIH TLV-STEL 150 ppm
- ACGIH TLV-TWA 100 ppm
- OSHA PEL-TWA 100 ppm

### 9. Physical And Chemical Properties

#### Appearance

Paste (solid)

#### Odor

Aromatic Odor

Chemical Type: Mixture

Physical State: Solid

Melting Point: N/AV °F

Boiling Point: N/AV °F

Specific Gravity: 1.27

Percent VOCs: 3.8

Packing Density: 10.6 pounds/gallon

Vapor Pressure: N/AV

Vapor Density: > AIR

Solubility: N/AV

Evaporation Rate: Slower than ether

VOC Content: 48.3 grams / liter

# MATERIAL SAFETY DATA SHEET

## Sikaflex® 221

### 10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

#### Conditions To Avoid (Stability)

Open Flame, Heat

#### Incompatible Materials

Water, Alcohols and Amines

#### Hazardous Decomposition Products

CO, CO2, NOx, Smoke, Fumes

### 11. Toxicological Information

No Data Available

### 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

Not regulated by the USDOT

### 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

#### SARA Title III - Section 313 Supplier Notification

This product contains the following toxic chemicals that are subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372.

XYLENE (MIXED ISOMERS) (1430-20-7) <4 %

This information must be included on all MSDSs that are copied and distributed for this material.

#### Ingredient(s) - U.S. Regulatory Information

XYLENE (MIXED ISOMERS)  
SARA Title III - Section 313 Form "R"/TRI Reportable Chemical  
SARA - Acute Health Hazard  
SARA - Chronic Health Hazard  
SARA - Fire Hazard

# MATERIAL SAFETY DATA SHEET

Sikaflex® 221

## 15. Regulatory Information - Continued

### Ingredient(s) - State Regulations

#### XYLENE (MIXED ISOMERS)

- New Jersey - Workplace Hazard
- New Jersey - Environmental Hazard
- New Jersey - Special Hazard
- Pennsylvania - Workplace Hazard
- Pennsylvania - Environmental Hazard
- Massachusetts - Hazardous Substance
- New York City - Hazardous Substance

## 16. Other Information

### HMS Rating

Health: \*2

Fire: 1

Reactivity: 0

PPE: C

### Revision/Preparer Information

MSDS Preparer: EHS Department

MSDS Preparer Phone Number: 201 933 - 8800

This MSDS Supercedes A Previous MSDS Dated: 05/24/2004

### Disclaimer

The data in this Material Safety Data Sheet relates only to the specific material herein and does not relate to use in combination with any other material or in any process. The information set forth herein is based on technical data that Sika believes to be reliable as of the date hereof. Since conditions of use are outside our control, we make no warranties, express or implied and assume no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.

SIKA CORPORATION

Form 1 Using MSDS General 7/2002