# MATERIAL SAFETY DATA SHEET

## Sikagard 62 - Part A (ALL COLORS)

**HMIS**

| | |
|---|---|
| HEALTH | 2 |
| FLAMMABILITY | 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:** 11/27/2007

**Product Name:** Sikagard 62 - Part A (ALL COLORS)
**CAS Number:** Not Established
**Chemical Family:** Epoxy Compound
**MSDS Number:** 4220
**Product Code:** 0601130

### 2. Composition/Information On Ingredients

| Ingredient Name | CAS Number | | Percent Of Total Weight |
|---|---|---|---|
| AROMATIC HYDROCARBON BLEND | 68477-31-6 | | |
| EPOXY RESIN | 25085-99-8 | | |

### 3. Hazards Identification

**Eye Hazards**
EYE IRRITANT.

**Skin Hazards**
MAY CAUSE SKIN IRRITATION. PROLONGED AND/OR REPEATED CONTACT WITH SKIN MAY CAUSE AN ALLERGIC REACTION/SENSITIZATION.

**Ingestion Hazards**
ACUTELY TOXIC. HARMFUL IF ASPIRATED INTO LUNGS.

**3. Hazards Identification - Continued**

**Inhalation Hazards**

MAY CAUSE RESPIRATORY TRACT IRRITATION.

**4. First Aid Measures**

**Eye**

RINSE EYES THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES. CONSULT PHYSICIAN.

**Skin**

WASH SKIN THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING.
IF SYMPTOMS PERSIST CONSULT PHYSICIAN.

**Ingestion**

DILUTE WITH WATER. DO NOT INDUCE VOMITING. CONTACT PHYSICIAN.

**Inhalation**

REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, INSTITUTE ARTIFICIAL RESPIRATION. CONSULT WITH PHYSICIAN.

**5. Fire Fighting Measures**

**Flash Point:** 355 °F
**Autoignition Point:** N/AV °F

**Fire And Explosion Hazards**

NONE KNOWN

**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**

WEARING PROPER PROTECTIVE CLOTHING, CONTAIN SPILL AND COLLECT WITH ABSORBENT MATERIAL. SHOVEL INTO CLOSABLE CONTAINERS. AVOID CONTACT.

**7. Handling And Storage**

**Handling And Storage Precautions**

STORE IN A COOL AREA. KEEP CONTAINERS TIGHTLY CLOSED.

**Work/Hygienic Practices**

Wash thoroughly with soap and water after handling.

**8. Exposure Controls/Personal Protection**

**Engineering Controls**

Use with adequate general and local exhaust ventilation. 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**

AVOID SKIN CONTACT. WEAR LONG SLEEVE SHIRT AND LONG PANTS.
WEAR CHEMICAL RESISTANT GLOVES.

**8. Exposure Controls/Personal Protection - Continued**

**Respiratory Protection**

A respirator protection program that meets 29 CFR 1910.134 requirement must be followed whenever workplace conditions warrant a respirator's use.

**Other/General Protection**

WASH THOROUGHLY AFTER HANDLING.

**Ingredient(s) - Exposure Limits**

AROMATIC HYDROCARBON BLEND
- ACGIH TLV: NOT ESTABLISHED
- OSHA PEL: NOT ESTABLISHED
- NTP: NO
- IARC: NO

EPOXY RESIN
- ACGIH TLV: NOT ESTABLISHED
- OSHA PEL: NOT ESTABLISHED
- NTP: NO
- IARC: NO

**9. Physical And Chemical Properties**

**Appearance**

LIGHT YELLOW LIQUID

**Odor**

MILD AROMATIC ODOR

**Chemical Type:** Mixture
**Physical State:** Liquid
**Melting Point:** N/AV °F
**Boiling Point:** N/AV °F
**Specific Gravity:** 1.14
**Percent Volatiles:** 0%
**Vapor Pressure:** N/AV
**Vapor Density:** > AIR
**Solubility:** N/AV
**Evaporation Rate:** SLOWER THAN ETHER
VOC Content (A+B): < 100 grams / liter

**10. Stability And Reactivity**

**Stability:** STABLE
**Hazardous Polymerization:** WILL NOT OCCUR

**Conditions To Avoid (Stability)**

NONE KNOWN

**Incompatible Materials**

STRONG OXIDIZING MATERIALS, ACIDS AND BASES.

**Hazardous Decomposition Products**

CO, CO2, ALDEHYDES AND OTHER ORGANICS

**Conditions To Avoid (Polymerization)**

FIRES/EXOTHERM WHEN CURING IN MASS.

## 11. Toxicological Information

**Conditions Aggravated By Exposure**

EYE DISEASE, SKIN DISORDERS AND ALLERGIES, CHRONIC RESPIRATORY DISEASE

## 12. Ecological Information

No Data Available...

## 13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations.

## 14. Transport Information

**Proper Shipping Name**

NOT REGULATED UNDER D.O.T.

## 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 Section 313 Notification**

This product does not contain any ingredients regulated under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 or 40 CFR 372.

## 16. Other Information

**HMIS 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:** 02/20/2007

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SIKA CORPORATION

# MATERIAL SAFETY DATA SHEET

## Sikagard 62 - Part B (ALL COLORS)

**HMIS**

| | |
|---|---|
| HEALTH | 3 |
| FLAMMABILITY | 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**
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**Lyndhurst, NJ 07071**

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**Telephone Number:** 201-933-8800
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**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**

DOT NON CORROSIVE AS PER 11/3/97 TESTING

**Issue Date:** 11/27/2007

**Product Name:** Sikagard 62 - Part B (ALL COLORS)
**CAS Number:** Not Established
**Chemical Family:** Amine
**MSDS Number:** 4221
**Product Code:** 0601792

### 2. Composition/Information On Ingredients

| Ingredient Name | CAS Number | | Percent Of Total Weight |
|---|---|---|---|
| AROMATIC HYDROCARBON BLEND | 68477-31-6 | | |
| BENZYL ALCOHOL | 100-51-6 | | |
| PROPRIETARY BLEND OF ALIPHATIC & CYCLIC AMINES | Not Establis | | |
| SILICA, QUARTZ | 14808-60-7 | | |

*EXPOSURE TO SILICA, QUARTZ IS APPLICABLE ONLY IF CURED WITH PART "A" AND SANDED.

### 3. Hazards Identification

**Eye Hazards**

CONTACT MAY CAUSE SEVERE IRRITATION AND PAIN AND MAY CAUSE BURNS, NECROSIS AND PERMANENT INJURY. MAY CAUSE VISUAL DISTURBANCES, CORNEA DAMAGE, DAMAGE TO THE OPTIC NERVE OR BLINDNESS.

**3. Hazards Identification - Continued**

**Skin Hazards**

CONTACT MAY CAUSE SEVERE IRRITATION AND PAIN AND MAY CAUSE BURNS, NECROSIS AND PERMANENT INJURY. PROLONGED AND/OR REPEATED CONTACT WITH SKIN MAY CAUSE ANALLERGIC REACTION/SENSITIZATION.

**Ingestion Hazards**

ACUTELY TOXIC. HARMFUL IF ASPIRATED INTO LUNGS.

**Inhalation Hazards**

MAY CAUSE RESPIRATORY TRACT IRRITATION. OVEREXPOSURE MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS.

**4. First Aid Measures**

**Eye**

RINSE EYES THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES. CONSULT PHYSICIAN.

**Skin**

WASH SKIN THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. IF SYMPTOMS PERSIST CONSULT PHYSICIAN.

**Ingestion**

DILUTE WITH WATER. DO NOT INDUCE VOMITING. CONTACT PHYSICIAN.

**Inhalation**

REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, INSTITUTE ARTIFICIAL RESPIRATION. CONSULT WITH PHYSICIAN.

**5. Fire Fighting Measures**

**Flash Point:** >220 °F
**Autoignition Point:** N/AV °F

**Fire And Explosion Hazards**

EXPOSURE TO HEAT BUILDS UP PRESSURE IN CLOSED CONTAINERS.

**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**

WEAR SUITABLE PROTECTIVE EQUIPMENT. VENTILATE AREA. CONTAIN SPILL AND COLLECT WITH ABSORBENT MATERIAL AND TRANSFER INTO SUITABLE CONTAINERS. AVOID CONTACT.

**7. Handling And Storage**

**Handling And Storage Precautions**

STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED.

**Work/Hygienic Practices**

Wash thoroughly with soap and water after handling.

## 8. Exposure Controls/Personal Protection

**Engineering Controls**

Use with adequate general and local exhaust ventilation.

**Eye/Face Protection**

Safety glasses with side shields or goggles.

**Skin Protection**

AVOID SKIN CONTACT. WEAR LONG SLEEVE SHIRT AND LONG PANTS. CHEMICAL RESISTANT GLOVES.

**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**

AROMATIC HYDROCARBON BLEND
- ACGIH TLV: NOT ESTABLISHED
- OSHA PEL: NOT ESTABLISHED
- IARC: NO
- NTP: NO

PROPRIETARY BLEND OF ALIPHATIC & CYCLIC AMINES
- ACGIH TLV: NOT ESTABLISHED
- OSHA PEL: NOT ESTABLISHED
- IARC: NO
- NTP: NO

SILICA, QUARTZ
- ACGIH TLV-TWA 0.1 mg/m3 (Notice of Intended Change)
- ACGIH TLV-TWA 0.05 mg/m3 (Proposed)
- OSHA PEL-TWA 30/%SiO2+2 mg/m3
- OSHA PEL-TWA 10/%SiO2+2 mg/m3
- OSHA PEL-TWA 250/%SiO+5 mppcf

## 9. Physical And Chemical Properties

**Appearance**

VISCOUS LIQUID (VARIOUS COLORS)

**Odor**

AMINE ODOR

**Chemical Type:** Mixture
**Physical State:** Liquid
**Melting Point:** N/AV °F
**Boiling Point:** N/AV °F
**Specific Gravity:** 1.70
**Vapor Pressure:** N/AV
**Vapor Density:** >AIR
**Solubility:** N/AV
**Evaporation Rate:** SLOWER THAN ETHER
VOC Content (A+B): < 100 grams / liter

## 10. Stability And Reactivity

**Stability:** STABLE
**Hazardous Polymerization:** WILL NOT OCCUR

**Conditions To Avoid (Stability)**
NONE KNOWN

**Incompatible Materials**
STRONG OXIDIZING AGENTS, ACID AND EPOXY RESINS UNDER UNCONTROLLED CONDITIONS

**Hazardous Decomposition Products**
CO, CO2, OXIDES OF NITROGEN

## 11. Toxicological Information

**Miscellaneous Toxicological Information**

**Conditions Aggravated By Exposure**
EYE DISEASE, SKIN DISORDERS AND ALLERGIES, CHRONIC RESPIRATORY CONDITIONS

**Ingredient(s) - Carginogenicity**
SILICA, QUARTZ
NTP - Listed On The National Toxicology Program
Listed In The IARC Monographs

## 12. Ecological Information

No Data Available...

## 13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations.

## 14. Transport Information

**Proper Shipping Name**
NOT REGULATED BY D.O.T.

## 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 Section 313 Notification**
This product does not contain any ingredients regulated under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 or 40 CFR 372.

**State Regulations**
WARNING: This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

## 15. Regulatory Information - Continued

**Ingredient(s) - State Regulations**

BENZYL ALCOHOL
- New Jersey - Workplace Hazard
- Pennsylvania - Workplace Hazard
- Massachusetts - Hazardous Substance

SILICA, QUARTZ
- New Jersey - Workplace Hazard
- Pennsylvania - Workplace Hazard
- California - Proposition 65
- Massachusetts - Hazardous Substance

## 16. Other Information

**HMIS Rating**

**Health:** 3
**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:** 02/20/2007

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SIKA CORPORATION

# MATERIAL SAFETY DATA SHEET

## Sikaflex® 2C NS - Part A (Limestone and Tint Base)

**HMIS**

| | |
|---|---|
| HEALTH | *2 |
| FLAMMABILITY | 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:** 08/11/2006

**Product Name:** Sikaflex® 2C NS - Part A (Limestone and Tint Base)
**CAS Number:** Not Established
**Chemical Family:** Polyurethane
**MSDS Number:** 3965
**Product Code:** 0464130

### 2. Composition/Information On Ingredients

| Ingredient Name | CAS Number | | Percent Of Total Weight |
|---|---|---|---|
| POLYISOCYANATE PREPOLYMER | Mixture | | |
| XYLENE (MIXED ISOMERS) | 1330-20-7 | | 1 - 5 |

### 3. Hazards Identification

**Eye Hazards**
Causes 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 respiratory tract irritation. May cause an allergic respiratory reaction / sensitization after prolonged or repeated contact. Reports have associated repeated and prolonged exposure to some of the chemicals in this

**3. Hazards Identification - Continued**

**Inhalation Hazards - Continued**

product with permanent brain, liver, kidney, and Central Nervous System damage. Headaches and dizziness may result.

**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. Never give anything by mouth to an unconscious victim. Seek medical attention immediately.

**Inhalation**

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

**5. Fire Fighting Measures**

**Flash Point:** > 230 °F > 110 °C
**Autoignition Point:** N/AV °F

**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. Not for internal consumption.

**Storage Precautions**

Store at 32F min. - 122F max. Ideal storage temperature 50 - 80F. If closed container is exposed to heat, pressure can build up. If moisture enters container, pressure may build up due to reaction. Store in cool, dry area in tightly closed containers, away from sparks and open flames.

**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 expsoure 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 Expsosure Limits are exceeded, use a properly fitted NIOSH-approved respirator.

**Other/General Protection**

Wash thoroughly after handling.

**Ingredient(s) - Exposure Limits**

XYLENE (MIXED ISOMERS)
- ACGIH TLV-STEL 150 ppm
- ACGIH TLV-TWA 100 ppm
- OSHA PEL-TWA 100 ppm

## 9. Physical And Chemical Properties

**Appearance**

Mastic

**Odor**

Aromatic Odor

**Chemical Type:** Mixture
**Physical State:** Solid
**Melting Point:** N/AV °F
**Boiling Point:** N/AV °F
**Specific Gravity:** 1.55
**Percent VOCs:** < 4
**Packing Density:** 12.95 lbs/gallon
**Vapor Pressure:** N/AV
**Vapor Density:** > Air
**Solubility:** N/AV
**Evaporation Rate:** Slower than ether
VOC content: Part A: 19 g/l
Part B: 92 g/l
Part A+B: 38.1 g/l

## 10. Stability And Reactivity

**Stability:** Stable
**Hazardous Polymerization:** Will not occur

## 10. Stability And Reactivity - Continued

**Conditions To Avoid (Stability)**

Open flame, heat

**Incompatible Materials**

Contact with water, alcohols and amines.

**Hazardous Decomposition Products**

CO, CO2, Oxides of Nitrogen

## 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

**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) (1330-20-7) 1 - 5 %

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

**Ingredient(s) - State Regulations**

XYLENE (MIXED ISOMERS)
- New Jersey - Workplace Hazard
- New Jersey - Environmental Hazard
- New Jersey - Special Hazard

**15. Regulatory Information - Continued**

**Ingredient(s) - State Regulations - Continued**

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

**16. Other Information**

**HMIS 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:** 07/21/2006

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SIKA CORPORATION

# MATERIAL SAFETY DATA SHEET

## Sikaflex® 2C, NS & SL - Part B

**HMIS**

| | |
|---|---|
| HEALTH | *2 |
| FLAMMABILITY | 2 |
| 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
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**Sika Corporation**
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**INTERNATIONAL: 703-527-3887**

**Manufacturer Emergency Contacts & Phone Number**
**CHEMTREC: 800-424-9300**
**INTERNATIONAL: 703-527-3887**

**Issue Date:** 05/02/2007

**Product Name:** Sikaflex® 2C, NS & SL - Part B
**CAS Number:** Not Established
**Chemical Family:** Polyurethane
**MSDS Number:** 4095
**Product Code:** 0464140

### 2. Composition/Information On Ingredients

| Ingredient Name | CAS Number | | Percent Of Total Weight |
|---|---|---|---|
| POLYISOCYANATE PREPOLYMER | mixture | | |
| XYLENE (MIXED ISOMERS) | 1330-20-7 | | 5 - 10 |

### 3. Hazards Identification

**Eye Hazards**
Causes 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. May cause an allergic respiratory reaction / sensitization after prolonged or repeated contact. Reports have associated repeated and prolonged

**3. Hazards Identification - Continued**

**Inhalation Hazards - Continued**

exposure to some of the chemicals in this product with permanent brain, liver, kidney, and Central Nervous System damage. Headaches and dizziness may result.

**4. First Aid Measures**

**Eye**

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

**Skin**

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

**Ingestion**

If victim is fully conscious, give one or two cups of water or milk to drink. Never give anything by mouth to an unconscious victim. 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:** 112 °F
**Autoignition Point:** N/AV °F
**Lower Explosive Limit:** N/AV
**Upper Explosive Limit:** N/AV

**Fire And Explosion Hazards**

Combustible liquid. 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**

Eliminate all ignition sources. Use appropriate Personal Protective Equipment (PPE). Absorb and/or contain spill with inert materials (e.g. sand, vermiculite) and then place in appropriate container. For large spills, use water spray to disperse vapors. Prevent runoff from entering waterways or sewers.

**7. Handling And Storage**

**Handling And Storage Precautions**

Keep out of reach of children. Not for internal consumption.

**Handling Precautions**

Keep away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors, and static electricity).

**Storage Precautions**

Store at 32F min. - 122F max. Ideal storage temperature 50-80F. If closed container is exposed to heat, pressure can build up. If moisture enters container, pressure may build up due to reaction. Store in cool, dry area in tightly closed containers, away from sparks and open flames.

**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**

Faceshield over safety glasses or goggles.

**Skin Protection**

Chemical-resistant gloves. Lab coat or other work clothing to prevent skin exposure. 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**

XYLENE (MIXED ISOMERS)
- ACGIH TLV-STEL 150 ppm
- ACGIH TLV-TWA 100 ppm
- OSHA PEL-TWA 100 ppm

**9. Physical And Chemical Properties**

**Appearance**

Clear liquid

**Odor**

Aromatic Odor

**Chemical Type:** Mixture
**Physical State:** Liquid
**Specific Gravity:** 1.02
**Percent Volatiles:** 9.0
**Packing Density:** 8.5 pounds/gallon
**Vapor Density:** > AIR
**Evaporation Rate:** Slower than ether
VOC content: Part B: 92 g/l

For VOC Content of the A & B component mixed, please see the appropriate Part A MSDS.

**10. Stability And Reactivity**

**Stability:** Stable
**Hazardous Polymerization:** Will not occur

**Conditions To Avoid (Stability)**

Open flame, heat

**10. Stability And Reactivity - Continued**

**Incompatible Materials**

Water, Alcohols and Amines

**Hazardous Decomposition Products**

CO, CO2, Oxides of Nitrogen

**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**

Ground Transport - Not Regulated by the USDOT (per 49 CFR 173.150(f))
Air, Vessel Transport - Flammable Liquids, N.O.S, (Xylene), 3, UN1993, PG III

**Additional Shipping Paper Description**

Note: This product is not packaged for air transport.

**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
Fire 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) (1330-20-7) 5 - 10 %

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

**Ingredient(s) - State Regulations**

XYLENE (MIXED ISOMERS)
New Jersey - Workplace Hazard

**15. Regulatory Information - Continued**

**Ingredient(s) - State Regulations - Continued**

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**

**HMIS Rating**
**Health:** *2
**Fire:** 2
**Reactivity:** 0
**PPE:** C

**Revision/Preparer Information**
**MSDS Preparer:** EHS Department
**This MSDS Supercedes A Previous MSDS Dated:** 08/11/2006

**Disclaimer**

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SIKA CORPORATION

# MATERIAL SAFETY DATA SHEET
## (Complies with OSHA CFR 1910.1200, ANSI Z 400.1-1998)

## SECTION 1: Chemical Product & Company Identification

**Product Name: CAPSUR®**
**Chemical Name: Aromatic hydrocarbon mixture**

**Manufacturer Name & Address:** **INTEGRATED CHEMISTRIES**
**P.O. Box 10558**
**White Bear Lake, MN 55110**

**Telephone Contact Number & Hours of Operation:** (651) 426-3224, 8 a.m. - 5 p.m. Central Standard Time
**Website/E-mail**: www.integratedchemistries.com / info@integratedchemistries.com
**Emergency Telephone Contact Number:** CHEM-TEL, INC.
Domestic: 800-255-3924
International: 813-248-0585

## SECTION 2: Composition/Information on Ingredients

The exact identity of the ingredients of this product are considered confidential because they are a trade secret. The hazards associated with these ingredients are addressed in this document. For specific information on these trade secret ingredients, assistance or information on the management of exposures or spills, please call PROSAR at 1-800-228-5635. The occupational exposure limits listed below apply to this product.

| | | **OSHA PEL** | | **ACGIH TLV** | |
|---|---|---|---|---|---|
| Hazardous Ingredients(*): | CAS No. | TWA | STEL | TWA | STEL |
| Naphthalene | 91-20-3 | 10 ppm | NE | 10 ppm | 15 ppm |
| Trimethylbenzenes | 25551-13-7 | NE | NE | 25 ppm | NE |
| Ethylene glycol monobutyl ether(skin) | 111-76-2 | 50 ppm | NE | 20 ppm | NE |
| Monoethanolamine | 141-43-5 | 3 ppm | NE | 3 ppm | 6 ppm |
| Potassium hydroxide | 1310-58-3 | NE | NE | NE | 2 mg/m$^{3(C)}$ |
| Cyclohexanol(skin) | 108-93-0 | 50 ppm | NE | 50 ppm | NE |

*all ingredients in quantities > 1.0 % (0.1 % for carcinogens) that are **potentially** hazardous per OSHA definitions
NDA = no data available

NE = not established

Skin -potentially harmful amounts can be absorbed through the skin

C -ceiling value

Some States enforce the PEL's that OSHA promulgated in 1989, which were subsequently vacated by the U.S. Supreme Court. Check with your State OSHA agency to determine which PEL is enforced in your jurisdiction.

## SECTION 3: Hazards Identification EMERGENCY OVERVIEW

**Physical description:** Clear green liquid

**Odor:** mild solvent odor

**Potential Health Effects: WARNING!** Causes eye and skin irritation. Vapors and mists are expected to cause upper respiratory tract irritation with coughing and nasal discharge. Vapors and mists may cause central nervous system depression with dizziness, drowsiness and incoordination. Harmful amounts may be absorbed through the skin. May be harmful or fatal if swallowed-potential aspiration hazard. Repeated or prolonged occupational exposure to solvents has been associated with permanent brain and nervous system damage. Repeated or prolonged exposure may cause skin allergic reactions and defatting of the skin (which can cause dermatitis). Personnel responding to a spill of this material should wear appropriate personal protective equipment.

**Fire Fighting Measures**: **Combustible liquid and vapor**. Keep away from heat, sparks or open flames.

| | | | | |
|---|---|---|---|---|
| **NFPA RATING**: | Health - 2 | Flammability - 2 | Reactivity - 1 | Special-NDA |
| **HMIS RATING:** | Health - 2 | Flammability - 2 | Reactivity - 1 | Protective Equipment - X |

## SECTION 4: First Aid Measures

**Skin Contact:** Remove contaminated clothing. Flush affected area with water for at least 15 minutes. Wash affected area with mild soap and water. Seek medical attention if symptoms develop and persist.
**Ingestion:** Immediately rinse mouth out and give sips of water (NEVER give anything by mouth to an unconscious person). DO NOT INDUCE VOMITING. Seek medical attention immediately.
**Eye Contact:** Immediately flush with plenty of water. Remove contact lenses (if easy to do) and continue flushing for at least 15 minutes. Seek medical attention immediately.

**Inhalation:** Remove to fresh air. Seek medical attention if breathing becomes difficult.

**Antidotes/Notes to Physicians:** No known antidote. This product is potentially an aspiration hazard.

## SECTION 5: Fire Fighting Measures

**Flashpoint**: 145° F (63° C) COC

**Autoignition temperature:** NDA

**Flammable Limits:** LEL: 0.5 UEL: 6.0

**Extinguishing media:** Use water spray, fog, regular foam, dry chemical or carbon dioxide

**Hazardous products of combustion:** Carbon monoxide, carbon dioxide, nitrogen containing compounds ($NO_2$, $NO_x$), sulfur containing compounds ($SO_2$, $SO_x$)

**Unusual fire and explosion hazards: Combustible liquid and vapor**. Keep away from heat, sparks and flame. Containers may explode when heated. Cool containers exposed to heat and flame with water spray. When heated, vapors may form explosive mixtures with air and pose an explosion hazard indoors, outdoors, and in sewers. Do not direct a solid stream of water or foam into the burning material as this may cause spattering and

spread the fire. Water used to extinguish a fire should not be allowed to enter the drainage system.

**Protective Equipment:** Use NIOSH/MSHA approved SCBA and full protective gear.

## SECTION 6: Accidental Release Measures

Extinguish all ignition sources immediately. Do not attempt to clean up chemical spills without appropriate personal protective equipment (see section 8). Do not touch or walk through spilled material. For small spills, absorb or cover with dry earth, sand or other non-combustible material and transfer to sealable containers for disposal. For large spills, dike around spill for later disposal. Prevent entry into waterways, sewers, basements, or confined areas. Do not get water inside containers. Ventilate area and wash spill site after material pickup is complete. See section 13 for information on the disposal of recovered material.

## SECTION 7: Handling & Storage

**Handling:** Avoid eye and skin contact. Avoid breathing mists and vapors.

**Storage:** Store upright in a cool, dry, well-ventilated area out of direct sunlight. Store away from incompatible materials (see Section 10). Keep containers tightly closed at all times. Protect containers from physical damage. Do not reuse container. Use with proper personal protective equipment (see Section 8). Keep out of reach of children.

## SECTION 8: Exposure Controls & Personal Protective Equipment

**Engineering Controls:** Use local exhaust in processing or storage areas. If any of the limits in section 2 are exceeded, local ventilation or respiratory protection may be necessary.
**Skin:** Protective gloves recommended to prevent skin contact. Contact glove manufacturer for more information.

**Eye Protection** Wear safety goggles.

**Respiratory:** If industrial hygiene surveys show that the exposure limits in Section 2 are exceeded, use of a NIOSH approved respirator is necessary. Seek professional advice prior to respirator selection or use. Follow OSHA respirator regulations (29 CFR 1910.134). Use a positive pressure air supplied respirator if there is a potential for an uncontrolled release, exposure levels are not known, or under any other circumstances where air-purifying respirators may not provide adequate protection.

## SECTION 9: Physical & Chemical Parameters

**Physical State**: Liquid
**Odor**: solvent odor
**Vapor Density** (air = 1): 4.8
**Boiling Point**: 212°F (100°C)
**Viscosity**: NDA
**Specific Gravity**: 0.965-0.985 @ 60°F (16°C)
**Solubility in water**: Moderate

**Appearance**: Clear green
**Vapor Pressure**: Negligible
**Percent Volatile by Volume**: 60%
**Freezing Point**: NDA
**Melting Point**: < 32°F (0°C)
**Bulk Density**: NDA
**pH**: 11.0 (undiluted)

## SECTION 10: Stability & Reactivity

**Stability:** Stable

**Incompatible Materials and conditions to avoid:** Rubber, plastic, strong acids, strong oxidizing agents, heat, temperatures approaching the flashpoint.

**Hazardous polymerization:** Will not occur.

**Hazardous decomposition products:** Carbon monoxide, carbon dioxide, nitrogen containing compounds ($NO_2$, $NO_x$), sulfur containing compounds ($SO_2$, $SO_x$)

## SECTION 11: Toxicological Information

There are no product-specific toxicological data available addressing either acute or chronic exposure. Exposure to this product can occur by eye and skin contact, inhalation of vapors or mists, and ingestion. Skin contact is expected to cause moderate to severe irritation. Prolonged or repeated skin contact may cause skin allergic reactions (sensitization) and defatting of the skin resulting in dermatitis. Harmful amounts may be absorbed through the skin. Absorption of large amounts may cause headache, nausea, vomiting and dizziness. Eye contact is expected to cause moderate to severe irritation. Exposure to mists or vapors is expected to cause upper respiratory tract irritation (with coughing and nasal discharge), eye irritation, and central nervous system depression (with headache, weakness, dizziness, nausea and loss of coordination and judgment. Exposure to high concentrations of mists or vapors may cause liver and kidney injury, asthmatic bronchitis, narcosis, pulmonary edema, and possibly death. Ingestion is expected to cause nausea, vomiting, and diarrhea along with severe irritation to the moth, throat, esophagus, and gastrointestinal tract. Eye changes such as cataract formation and retinal damage have been documented in animal studies following ingestion of naphthalene. Aspiration of this product into the lungs may cause chemical pneumonitis, a potentially fatal condition, which is initially characterized by coughing, choking, difficulty breathing, and possibly pulmonary edema and hemorrhage. There were no data available for this product addressing potential reproductive, developmental, mutagenic or carcinogenic effects following exposure to this product.

**Ingredient Based Information:** The exact ingredients of this product are considered a trade secret.

**Carcinogens:** None per OSHA, NTP, or IARC
**Target Organs:** All tissue (moderate to severe irritation), eyes, lungs, central nervous system, liver, kidneys.

**Medical Conditions that May be Aggravated by Exposure:** Respiratory diseases (e.g. bronchitis, asthma), liver, kidney and central nervous system disorders.

## SECTION 12: Ecological Information

**Ecotoxicity:** NDA **Environmental Fate:** NDA

## SECTION 13: Disposal Considerations

This material (as packaged) may be considered a hazardous waste. Be aware that the waste owner has responsibility for final disposal. Regulations may also apply to empty containers, liners or rinsate. Laws may change or be reinterpreted; state and local regulations may be different from federal regulations. This information applies to materials as manufactured; contamination or processing may change waste characteristics and requirements.

## SECTION 14: Transport Information

**DOT Hazard Description:** Combustible liquid, n.o.s., combustible liquid, NA1993, PGIII

This shipping description is only valid for use within the United States of America.

## SECTION 15: Regulatory Information

**Chemical Inventories:** The components of this product listed in Section 2 are listed on the TSCA Inventory List, the DSL/NDSL and the EINECS.

**Reportable Quantities (RQ) (40 CFR table 302.4):**

| | |
|---|---|
| Naphthalene (CAS#91-20-3) | 100 lbs (45.4 kgs) |
| Dodecylbenzyl sulfonic acid (CAS# 27176-87-0) | 1000 lbs (454 kgs) |
| Potassium hydroxide (CAS# 1310-58-3) | 1000 lbs (454 kgs) |

**SARA TITLE III (Superfund Amendments and Reauthorization Act):**
Section 302 Extremely Hazardous Materials (40 CFR 355): None listed

Sections 311/312 Hazard Categories (40 CFR 370):

| | |
|---|---|
| Immediate (Acute) Health Effects: | YES |
| Delayed (Chronic) Health Effects: | YES |
| Fire Hazard: | YES |
| Sudden Release of Pressure Hazard: | NO |
| Reactivity Hazard: | NO |

Section 313 Toxic Chemical Release Reporting (40 CFR 372.65(a)): Naphthalene (CAS# 91-20-3), 1,2,4-trimethyl benzene (CAS# 95-63-6) and cyclohexanol (CAS# 108-93-0).

**STATE REGULATORY INFORMATION:** Since each state has the authority to promulgate standards more stringent than the federal government, this section cannot provide an inclusive list of all state regulations, which apply to this product. Questions related to state regulations should be directed toward local officials.

## SECTION 16: Other Information

For additional information, refer to the 2000 North American Emergency Response Guidebook and the ACGIH Documentation of the Threshold Limit Values.

**This information is provided in good faith, but without express or implied warranty.**

**This MSDS was prepared by Environmental Health & Safety, Inc., St. Paul, MN, 55116, USA**