



# MATERIAL SAFETY DATA SHEET

## SIKAFLEX PRIMER 429/202

### HMIS

HEALTH 3

FLAMMABILITY 3

REACTIVITY 0

PERSONAL PROTECTION H

### 1. Product And Company Identification

#### Supplier

SIKA CORPORATION  
201 Polito Ave  
Lyndhurst, NJ 07071

Company Contact: Kristin Kelley  
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: Kristin Kelley  
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: 01/28/2002

Product Name: SIKAFLEX PRIMER 429/202  
CAS Number: Not Established  
Chemical Family: POLYURETHANE  
MSDS Number: 2434  
Product Code: NO. 429

#### Synonyms

NO. 429  
SIKAFLEX PRIMER 202  
SIKAFLEX PRIMER 429

### 2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
AROMATIC POLYISOCYANATE	Not Establish	
PROPYLENE GLYCOL MONOMETHYLETHACETATE	108-65-6	
TOLUENE DIISOCYANATE (MIXED ISOMERS)	26471-62-5	
XYLENE (MIXED ISOMERS)	1330-20-7	

### 3. Hazards Identification

#### Eye Hazards

LIQUID, AEROSOLS OR VAPORS ARE SEVERELY IRRITATING AND CAN CAUSE PAIN, TEARING, REDDENING AND SWELLING. IF LEFT UNTREATED, CORNEAL DAMAGE CAN OCCUR AND INJURY IS SLOW TO HEAL. HOWEVER, DAMAGE IS USUALLY REVERSIBLE.

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### 3. Hazards Identification - Continued

#### Skin Hazards

MAY CAUSE A REVERSIBLE INFLAMMATORY EFFECT ON SKIN OR TISSUE AT THE SITE OF CONTACT. CAUSES AN ALLERGIC SENSITIZATION IN A SUBSTANTIAL PROPORTION OF HUMANS OR ANIMALS IN NORMAL TISSUE AFTER REPEATED EXPOSURES. MAY CAUSE DERMATITIS (SKIN REDNESS, DRYNESS, SCALING, ETC) FROM REPEATED OR PROLONGED CONTACT.

#### Ingestion Hazards

MAY CAUSE EFFECTS TO THE GI TRACT, USUALLY RESULTING FROM INGESTION OF THE MATERIALS, SUCH AS IRRITATION, NAUSEA, GI DISORDERS, ULCERATION, DIARRHEA OR CONSTIPATION. VOMITING MAY CAUSE ASPIRATION RESULTING IN CHEMICAL PNEUMONITIS.

#### Inhalation Hazards

MAY CAUSE EFFECTS ON MUCOUS MEMBRANE TISSUE, SUCH AS INFLAMMATION, IRRITATION, HYPERPLASIA OR CHANGE IN CILIARY ACTIVITY. CAUSES AN ALLERGIC SENSITIZATION IN A SUBSTANTIAL PROPORTION OF HUMANS OR ANIMALS IN NORMAL TISSUE AFTER REPEATED EXPOSURES. MAY CAUSE A REVERSIBLE INFLAMMATORY EFFECT ON THE UPPER RESPIRATORY SYSTEM. MAY CAUSE EFFECTS SUCH AS ANESTHETIC EFFECTS, DROWSINESS, DIZZINESS, DECREASE IN MOTOR FUNCTIONS, CONVULSIONS, TREMORS, NARCOSIS OR BEHAVIORAL CHANGES.

### 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

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

#### Inhalation

REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, INSTITUTE ARTIFICIAL RESPIRATION. ASTHMATIC-TYPE SYMPTOMS MAY DEVELOP AND MAY BE IMMEDIATE OR DELAYED UP TO SEVERAL HOURS. CONSULT WITH PHYSICIAN.

### 5. Fire Fighting Measures

**Flash Point:** 86 °F

**Flash Point Method:** ABEL-PENSKY CLOSED CUP

**Autoignition Point:** N/AV °F

**Flammability Class:** FLM

**Lower Explosive Limit:** 1.0

**Upper Explosive Limit:** 7.0

#### Fire And Explosion Hazards

IRRITATING AND/OR TOXIC GASES AND AEROSOLS FROM THE DECOMPOSITION/ COMBUSTION PRODUCTS MAY BE PRESENT. CLOSED CONTAINER MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT OR BURST WHEN CONTAMINATED WITH WATER. SOLVENT VAPORS MAY BE HEAVIER THAN AIR. UNDER CONDITIONS OF STAGNANT AIR, VAPORS MAY BUILD UP AND TRAVEL ALONG THE GROUND TO AN IGNITION SOURCE WHICH MAY RESULT IN A FLASH BACK TO THE SOURCE OF THE VAPORS.

#### Extinguishing Media

DRY CHEMICAL/CARBON DIOXIDE/WATER SPRAY. CAUTION: REACTION BETWEEN WATER AND HOT TDI CAN BE VIGOROUS.

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### 5. Fire Fighting Measures - Continued

#### Fire Fighting Instructions

WEAR NIOSH/MSA APPROVED SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. NO SKIN SURFACE SHOULD BE EXPOSED.

### 6. Accidental Release Measures

WEAR APPROPRIATE PROTECTIVE EQUIPMENT. CONTAIN SPILL AND COLLECT WITH ABSORBENT MATERIAL, POUR LIQUID DECONTAMINANT OVER SPILLAGE AND ALLOW TO REACT FOR AT LEAST 10 MINUTES. USE NON-SPARKING TOOLS TO SHOVEL INTO OPEN CONTAINERS AND ADD FURTHER AMOUNTS OF DECONTAMINATION SOLUTION. REMOVE CONTAINERS TO SAFE PLACE AND COVER LOOSELY. WASH DOWN AREA WITH LIQUID DECONTAMINANT AND FLUSH SPILL AREA WITH WATER. VENTILATE AREA. ELIMINATE SOURCES OF IGNITION. AVOID CONTACT.

DECONTAMINATION SOLUTIONS: AMMONIUM HYDROXIDE (0-10%), DETERGENT (2-5%) AND BALANCE WATER; OR SOLUTION OF UNION CARBIDE'S TERGITOL TMN-10 (20%) AND WATER (80%).

### 7. Handling And Storage

#### Handling And Storage Precautions

STORE IN A COOL DRY AREA AWAY FROM HEAT, SPARKS AND FLAMES. KEEP CONTAINERS TIGHTLY CLOSED. GROUND CONTAINERS DURING STORAGE AND TRANSFER OPERATIONS. STORAGE TEMPERATURE MIN. 32F - MAX 122F.  
SPECIAL SENSITIVITY: HEAT, LIGHT, MOISTURE: IF CONTAINER IS EXPOSED TO HIGH HEAT

#### Work/Hygienic Practices

WASH THOROUGHLY AFTER USING PRODUCT.

### 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 RUBBER OR PLASTIC GLOVES.

#### Respiratory Protection

In areas where the P.E.L.s are exceeded, use a properly fitted NIOSH-approved respirator.

#### Other/General Protection

MEDICAL SUPERVISION OF ALL EMPLOYEES WHO HANDLE OR COME IN CONTACT WITH TDI IS RECOMMENDED. THIS SHOULD INCLUDE PREEMPLOYMENT AND PERIODIC MEDICAL EXAMINATIONS WITH RESPIRATORY FUNCTION TESTS.

MONITORING: TDI, POLYISOCYANATE AND SOLVENT EXPOSURE LEVELS MUST BE MONITORED BY ACCEPTED MONITORING TECHNIQUES TO ENSURE THAT THE TLVS ARE NOT EXCEEDED.

#### Ingredient(s) - Exposure Limits

AROMATIC POLYISOCYANATE

ACGIH: N/E

OSHA: N/E

PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE

ACGIH: N/E

OSHA: N/E

NTP N/AP

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

#### Ingredient(s) - Exposure Limits - Continued

IARC N/AP  
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 YELLOW LIQUID

#### Odor

SOLVENT ODOR

**Chemical Type:** Mixture

**Physical State:** Liquid

**Melting Point:** -22 °F

**Boiling Point:** 280-300 °F

**Specific Gravity:** 1.07

**Percent Volatiles:** 46%

**Percent VOCs:** 46.00

**Packing Density:** 8.9#/gal

**Vapor Pressure:** N/AV

**Vapor Density:** >AIR

**Solubility:** INSOLUBLE

**Evaporation Rate:** SLOWER THAN ETHER

VOC content 491.5 g/l 4.102 lbs/gal

### 10. Stability And Reactivity

**Stability:** STABLE

**Hazardous Polymerization:** WILL NOT OCCUR

#### Conditions To Avoid (Stability)

NONE KNOWN

#### Incompatible Materials

WATER, ALCOHOLS, AMINES, STRONG BASES AND OXIDIZING MATERIALS  
THIS PRODUCT CONTAINS TRIMETHYLOL PROPANE AND SHOULD NOT BE  
COMBINED WITH PHOSPHORUS CONTAINING MATERIALS BECAUSE HIGHLY  
TOXIC FUMES CAN BE EMITTED IN A FIRE SITUATION.

#### Hazardous Decomposition Products

BY FIRE: CO<sub>2</sub>, CO, OXIDES OF NITROGEN, HCN, TDI

#### Conditions To Avoid (Polymerization)

NONE KNOWN

### 11. Toxicological Information

#### Miscellaneous Toxicological Information

NTP: THIS PRODUCT CONTAINS LESS THAN 0.5% TDI. BASED ON STUDY, NTP LISTS TDI AS A SUBSTANCE THAT MAY REASONABLY BE ANTICIPATED TO BE A CARCINOGEN IN ITS FOURTH ANNUAL REPORT ON CARCINOGENS.

IARC: IARC HAS ANNOUNCED THAT IT WILL LIST TDI AS A SUBSTANCE FOR WHICH THERE IS SUFFICIENT EVIDENCE FOR ITS CARCINOGENICITY IN EXPERIMENTAL ANIMALS BUT INADEQUATE EVIDENCE FOR THE CARCINOGENICITY OF TDI TO HUMANS.

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### 11. Toxicological Information - Continued

#### Conditions Aggravated By Exposure

ASTHMA TYPE CONDITIONS, CHRONIC BRONCHITIS AND OTHER CHRONIC RESPIRATORY CONDITIONS. RECURRENT SKIN ECZEMA. PRESENSITIZATION TO PRODUCT. MAY AFFECT THE RENAL SYSTEM, INCLUDING KIDNEY DAMAGE, EDEMA, PROTEINURIA, OR OTHER NEPHROTOXICITY. MAY CAUSE EFFECTS TO THE HEPATIC SYSTEM, SUCH AS JAUNDICE, LIVER ENLARGEMENT, LIVER DAMAGE, OR OTHER HEPATOXICITY.

#### Ingredient(s) - Carcinogenicity

TOLUENEDIISOCYANATE (MIXED ISOMERS)  
Listed In The IARC Monographs

### 12. Ecological Information

#### Other Environmental Information

### 13. Disposal Considerations

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

### 14. Transport Information

#### Proper Shipping Name

RESIN SOLUTION

#### Hazard Class

3, PG III

#### DOT Identification Number

UN1866

#### DOT Shipping Label

FLAMMABLE

### 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 Section 313 Notification

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

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

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

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### 15. Regulatory Information - Continued

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

SARA - Acute Health Hazard  
SARA - Chronic Health Hazard  
SARA - Fire Hazard

#### State Regulations

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

#### Ingredient(s) - State Regulations

TOLUENEDIISOCYANATE (MIXED ISOMERS)  
New Jersey - Workplace Hazard  
New Jersey - Environmental Hazard  
New Jersey - TCPA Extraordinarily Hazardous Substance  
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

#### HMIS Rating

Health: 3

Fire: 3

Reactivity: 0

PPE: H

#### Revision/Preparer Information

MSDS Preparer: Kristin Kelley

This MSDS Supersedes A Previous MSDS Dated: 02/09/1999

#### 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