



# MATERIAL SAFETY DATA SHEET

## SIKAFLEX 2C NS "TG COMPONENT"

### HMIS

HEALTH	2
FLAMMABILITY	2
REACTIVITY	1
PERSONAL PROTECTION	H

### 1. Product And Company Identification

<b>Supplier</b> SIKA CORPORATION 201 Polito Ave Lyndhurst, NJ 07071  <b>Company Contact:</b> Kristin Kelley <b>Telephone Number:</b> (201) 933-8800 <b>FAX Number:</b> (201) 933-9379 <b>Web Site:</b> www.sikausa.com	<b>Manufacturer</b> SIKA CORPORATION 201 Polito Ave Lyndhurst, NJ 07071  <b>Company Contact:</b> Kristin Kelley <b>Telephone Number:</b> (201) 933-8800 <b>FAX Number:</b> (201) 933-9379 <b>Web Site:</b> www.sikausa.com
<b>Supplier Emergency Contacts &amp; Phone Number</b> CHEMTREC: 800-424-9300 INTERNATIONAL: 703-527-3887	<b>Manufacturer Emergency Contacts &amp; Phone Number</b> CHEMTREC: 800-424-9300 INTERNATIONAL: 703-527-3887

Issue Date: 01/28/2002

Product Name: SIKAFLEX 2C NS "TG COMPONENT"  
 CAS Number: Not Established  
 Chemical Family: CYCLOALIPHATIC POLYISOCYANATE  
 MSDS Number: 2424  
 Product Code: 0438-2TO, 0438-64T

### 2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
ISOPHORONEDIISOCYANATE	4098-71-9	
PROPYLENE GLYCOL MONOMETHYLETHYLETHERACETATE(PMA)	108-65-6	
XYLENE (MIXEDISOMERS)	1330-20-7	15

### 3. Hazards Identification

**Primary Routes(s) Of Entry**  
 INHALATION, SKIN CONTACT ABSORPTION, EYE CONTACT

**Eye Hazards**  
 LIQUID, AEROSOLS OR VAPORS OF THIS PRODUCT (ISOCYANATE AND SOLVENTS) ARE IRRITATING AND CAN CAUSE TEARING, REDDENING AND SWELLING ACCOMPANIED BY A STINGING SENSATION AND MAYBE A FEELING LIKE THAT OF FINE DUST IN THE EYES. MAY CAUSE CONJUNCTIVITIS

**Skin Hazards**  
 PROLONGED CONTACT WITH THE ISOCYANATE CAN CAUSE REDDENING, SWELLING, RASH, SCALING, OR BLISTERING. IN THOSE WHO HAVE DEVELOPED A SKIN SENSITIZATION, THESE SYMPTOMS CAN

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### 3. Hazards Identification - Continued

#### Skin Hazards - Continued

DEVELOP AS A RESULT OF CONTACT WITH VERY SMALL AMOUNTS OF LIQUID MATERIAL OR EVEN AS A RESULT OF VAPOR EXPOSURE. CHRONIC EXPOSURE TO SOLVENTS MAY CAUSE EFFECTS SIMILAR TO THOSE IDENTIFIED UNDER CHRONIC INHALATION EFFECTS.

#### Ingestion Hazards

CAN RESULT IN IRRITATION AND POSSIBLE CORROSIVE ACTION IN THE MOUTH, STOMACH TISSUE AND DIGESTIVE TRACT. VOMITING MAY CAUSE ASPIRATION OF THE SOLVENT RESULTING IN CHEMICAL PNEUMONITIS

#### Inhalation Hazards

IPDI VAPORS OR MIST AT CONCENTRATIONS ABOVE THE TLV CAN IRRITATE THE MUCOUS MEMBRANES IN THE RESPIRATORY TRACT CAUSING RUNNY NOSE, SORE THROAT, COUGHING CHEST DISCOMFORT, SHORTNESS OF BREATH AND REDUCES LUNG FUNCTION. PERSONS WITH PREEXISTING, NONSPECIFIC BRONCHIAL HYPERREACTIVITY CAN RESPOND TO CONCENTRATIONS BELOW THE TLV WITH SIMILAR SYMPTOMS AS WELL AS ASTHMA ATTACK.

SOLVENT VAPORS CAN CAUSE HEADACHE, NAUSEA, NARCOSIS, FATIGUE AND LOSS OF APETITE

REPEATED EXPOSURE OR SINGLE LARGE EXPOSURE CAN CAUSE ISOCYANATE SENSITIZATION (CHEMICAL ASTHMA) WHICH WILL CAUSE THEM TO REACT TO A LATER EXPOSURE TO ISOCYANATE AT LEVELS WELL BELOW THE TLV.

CHRONIC SOLVENT EXPOSURE CAN CAUSE SYMPTOMS INCLUDING LOSS OF MEMORY, LOSS OF COORDINATION, AND POSSIBLE BRAIN AND NERVOUS SYSTEM DAMAGE

#### Chronic/Carcinogenicity Effects

#### Conditions Aggravated By Exposure

ASTHMA AND ANY OTHER RESPIRATORY DISORDERS, SKIN ALLERGIES, ECZEMA.

### 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 OR MILK. DO NOT INDUCE VOMITING. CONSULT PHYSICIAN.

#### Inhalation

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

#### Note To Physician

### 5. Fire Fighting Measures

**Flash Point:** 104 °F 40 °C

**Flash Point Method:** TAGLIABUE CLOSED CUP

**Autoignition Point:** N/AV °F

**Lower Explosive Limit:** 1.3 %

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### 5. Fire Fighting Measures - Continued

**Upper Explosive Limit:** 13.1 %

#### **Fire And Explosion Hazards**

DURING A FIRE, IRRITATING AND/OR TOXIC GASES (IPDI) 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**

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

### 6. Accidental Release Measures

EVACUATE ALL NONESSENTIAL PERSONNEL. REMOVE SOURCES OF IGNITION. WEAR PROPER PROTECTIVE EQUIPMENT. CONTAIN SPILL AND COLLECT WITH ABSORBENT MATERIAL AND TRANSFER INTO SUITABLE CONTAINERS. AVOID CONTACT. VENTILATE ENCLOSED AREA.

### 7. Handling And Storage

#### **Handling And 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 with adequate general and local exhaust ventilation.

#### **Eye/Face Protection**

Safety glasses with side shields or goggles.

#### **Skin Protection**

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

#### **Respiratory Protection**

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

#### **Other/General Protection**

WASH THOROUGHLY AFTER HANDLING.

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

ISOPHORONE DIISOCYANATE

ACGIH TLV-TWA 0.005 ppm (Skin)

PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE (PMA)

EXPOSURE LIMITS NOT ESTABLISHED

XYLENE (MIXED ISOMERS)

OSHA PEL - TWA: 100 PPM

OSHA PEL - STEL: 150 PPM

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

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

ACGIH TLV - TWA: 100 PPM

ACGIH TLV - STEL: 150 PPM

### 9. Physical And Chemical Properties

#### Appearance

TRANSPARENT PALE YELLOW LIQUID

#### Odor

SOLVENT LIKE

**Chemical Type:** Mixture

**Physical State:** Liquid

**Melting Point:** N/AV °F

**Boiling Point:** N/AV °F

**Specific Gravity:** 1.08

**Percent Volatiles:** 35%

**Vapor Pressure:** 3.7 mmHg AT 68f

**Solubility:** INSOLUBLE IN WATER

### 10. Stability And Reactivity

**Stability:** STABLE

**Hazardous Polymerization:** MAY OCCUR WITH CONTACT WITH WATER

#### Conditions To Avoid (Stability)

OPEN FLAME, HEAT

#### Incompatible Materials

WATER, ALCOHOLS AND AMINES

#### Hazardous Decomposition Products

CO, CO<sub>2</sub>, 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.

#### RCRA Information

### 14. Transport Information

#### Proper Shipping Name

NOT REGULATED BY D.O.T

UNLESS SHIPPED BY AIR, INTERNATIONAL OR IN BULK

#### Hazard Class

NONE - SEE BELOW

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### 14. Transport Information - Continued

**DOT Identification Number**

NONE

**DOT Shipping Label**

NONE

IF SHIPPED BY AIR, INTERNATIONALLY OR IN BULK THE FOLLOWING TRANSPORT INFORMATION IS REQUIRED:

FLAMMABLE LIQUID N.O.S. , 3, UN1993, PGIII, (XYLENE)

### 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**

ISOPHORONE DIISOCYANATE

SARA Title III - EPA Part 355 Extremely Hazardous Substance

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

**Ingredient(s) - State Regulations**

ISOPHORONE DIISOCYANATE

New Jersey - Workplace Hazard

New Jersey - Environmental Hazard

Pennsylvania - Workplace Hazard

California - CalARP Table 3 Regulated Substance

Massachusetts - Hazardous Substance

New York City - Hazardous Substance

### 16. Other Information

**HMIS Rating**

Health: 2

Fire: 2

Reactivity: 1

PPE: H

**Revision/Preparer Information**

MSDS Preparer: Kristin Kelley

This MSDS Supersedes A Previous MSDS Dated: 07/27/1999

# **MATERIAL SAFETY DATA SHEET**

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### **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.

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