



MATERIAL SAFETY DATA SHEET

Sikaflex® 2C NS - TG Component

HMIS

HEALTH	*2
FLAMMABILITY	2
REACTIVITY	1
PERSONAL PROTECTION	H

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: 07/21/2006

Product Name: Sikaflex® 2C NS - TG Component
CAS Number: Not Established
Chemical Family: Cycloaliphatic Polyisocyanate
MSDS Number: 3951
Product Code: 043864T

2. Composition/Information On Ingredients

Ingredient Name	CAS Number		Percent Of Total Weight
ISOPHORONE DIISOCYANATE	4098-71-9	<=	0.5
ISOPHORONE DIISOCYANATE HOMOPOLYMER	53880-05-0		
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	108-65-6		
XYLENE (MIXED ISOMERS)	1330-20-7		10 - 20

3. Hazards Identification

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

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.

5. Fire Fighting Measures

Flash Point: 104 °F 40 °C

Flash Point Method: TAGLIABUE CLOSED CUP

Autoignition Point: 599 °F 315 °C

Lower Explosive Limit: 0.8%

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.

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5. Fire Fighting Measures - Continued

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)

XYLENE (MIXED ISOMERS)

OSHA PEL - TWA: 100 PPM

OSHA PEL - STEL: 150 PPM

ACGIH TLV - TWA: 100 PPM

ACGIH TLV - STEL: 150 PPM

CONTAINS 15% ETHYL BENZENE 100-41-4

ETHYL BENZENE OSHA PEL/STEL 100 PPM / 125 PPM

9. Physical And Chemical Properties

Appearance

TRANSPARENT PALE YELLOW LIQUID

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9. Physical And Chemical Properties - Continued

Odor

SOLVENT LIKE

Chemical Type: Mixture

Physical State: Liquid

Melting Point: N/AV °F

Boiling Point: 284 °F 140 °C

Specific Gravity: 1.08

Percent Volatiles: 35%

Packing Density: Approximately 9.0 pounds / gallon

Vapor Pressure: 3.7 mmHg at 68F

Solubility: Insoluble in water

VOC Content: Part A = 49 g/L

Part B = 93 g/L

Part TG = 346 g/L

A + B + TG = 69 g/L

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, 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.

14. Transport Information

Proper Shipping Name

Ground Transport - Not Regulated by the USDOT (per 49 CFR 173.150(f))

Air, Boat Transport - Resin Solution (Contains Isophorone Diisocyanate Homopolymer, Xylene, Ethyl Benzene),
3, UN1866, 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.

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15. Regulatory Information - Continued

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.

ISOPHORONE DIISOCYANATE (4098-71-9) <=0.5 %
XYLENE (MIXED ISOMERS) (1330-20-7) 10 - 20 %

This information must be included on 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
ISOPHORONE DIISOCYANATE HOMOPOLYMER
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: EHS Department

MSDS Preparer Phone Number: 201 933 8800

This MSDS Supersedes A Previous MSDS Dated: 08/18/2004

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Disclaimer

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