

## Material Safety Data Sheet

SIKAFLEX 221

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Rev. Date  
11/19/98

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SIKA CORPORATION  
1682 MARION-WILLIAMSPORT ROAD  
MARION, OH 43302COMPANY CONTACT: TOM MAY  
TELEPHONE NUMBER: (740)387-9224EMERGENCY TELEPHONE NUMBER  
CHEMTREC (800)424-9300PRODUCT NAME: SIKAFLEX 221  
PRODUCT CODE: 221  
CHEMICAL FAMILY: PUR SEALANT

PRODUCT OWNER - ADRIAN VAN MAURIK

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	EXPOSURE LIMITS	CONCENTRATION PERCENT BY WEIGHT
TRADE SECRET POLYURETHANE PREPOLYMER	EXPOSURE LIMITS NOT ESTABLISHED	
XYLENE (MIXED ISOMERS) CAS NUMBER: 1330-20-7	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 E.B. OSHA PELs 100 PPM / 125 PPM	1 to 5

## 3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTSEYES  
EYE IRRITANT.SKIN  
MAY CAUSE SKIN IRRITATION. PROLONGED AND/OR REPEATED CONTACT WITH SKIN MAY CAUSE AN ALLERGIC REACTION/SENSITIZATION. MAY CAUSE DERMATITIS (SKIN REDNESS, DRYNESS, SCALING, ETC.) FROM REPEATED OR PROLONGED CONTACT.INGESTION  
LOW ORDER OF ACUTE TOXICITY. HARMFUL IF ASPIRATED INTO LUNGS.INHALATION  
MAY CAUSE RESPIRATORY TRACT IRRITATION. MAY CAUSE RESPIRATORY SENSITIZATION. HIGH VAPOR CONCENTRATIONS OF XYLENE (GREATER THAN APPROX. 1000 PPM) MAY CAUSE HEADACHES, DIZZINESS, ANESTHESIA, DROWSINESS, UNCONSCIOUSNESS, AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DEATH

## 4. FIRST AID MEASURES

EYES  
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. CONTACT PHYSICIAN.INHALATION  
REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, INSTITUTE ARTIFICIAL

**4. FIRST AID MEASURES - Continued****INHALATION - Continued**

RESPIRATION. CONSULT WITH PHYSICIAN.

**5. FIRE FIGHTING MEASURES****FLAMMABLE PROPERTIES**

FLASH POINT: 143°F

AUTOIGNITION: N/AV°F

LOWER EXPLOSIVE LIMIT (%): N/AV

UPPER EXPLOSIVE LIMIT (%): N/AV

**FIRE AND EXPLOSION HAZARDS**

DURING A FIRE, IRRITATING AND/OR TOXIC GASES AND AEROSOLS FROM THE DECOMPOSITION/COMBUSTION PRODUCTS MAY BE PRESENT.

**EXTINGUISHING MEDIA**

FOAM/DRY CHEMICAL/CO2/WATER FOG

**FIRE FIGHTING INSTRUCTIONS**

WEAR NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.

**6. ACCIDENTAL RELEASE MEASURES**

WEAR SUITABLE 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 40-95°F. CONDITION TO 65-85°F BEFORE USING. 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 AFTER USING PRODUCT.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****ENGINEERING CONTROLS**

LOCAL EXHAUST HIGHLY RECOMMENDED. VENTILATION SHOULD BE SUFFICIENT TO REDUCE AIR CONTAMINANTS TO BELOW PELs. MECHANICAL EXHAUST HIGHLY RECOMMENDED.

**EYE/FACE PROTECTION**

SAFETY GLASSES/CHEMICAL GOGGLES

**SKIN PROTECTION**

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

**RESPIRATORY PROTECTION**

IF PELs ARE EXCEEDED, WEAR APPROPRIATE PROPERLY FITTED NIOSH/MSHA APPROVED RESPIRATOR.

**9. PHYSICAL AND CHEMICAL PROPERTIES****APPEARANCE**

PASTE (SOLID)

## 9. PHYSICAL AND CHEMICAL PROPERTIES - Continued

ODOR  
AROMATICBASIC PHYSICAL PROPERTIES

BOILING POINT: N/AV°F  
MELTING POINT: N/AV°F  
VAPOR PRESSURE: N/AV  
VAPOR DENSITY (AIR=1): N/AV  
SPECIFIC GRAVITY: 1.19  
PACKING DENSITY: 10.60#/GAL  
SOLUBILITY (H<sub>2</sub>O): INSOLUBLE  
PERCENT VOLATILES: 4.4  
VOLATILE ORGANIC COMPOUNDS (VOC) CONTENT: 4.4 %  
EVAPORATION RATE: SLOWER THAN ETHER

VOC content 52.36 g/l 0.44 lbs/gal

## 10. STABILITY AND REACTIVITY

STABILITY: STABLE

CONDITIONS TO AVOID (STABILITY)  
OPEN FLAME, HEATINCOMPATIBLE MATERIALS  
WATER, ALCOHOL, AMINESHAZARDOUS DECOMPOSITION PRODUCTS  
CO, CO<sub>2</sub>, OXIDES OF NITROGEN, SMOKE, FUMES

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

## 11. TOXICOLOGICAL INFORMATION

MISCELLANEOUS TOXICOLOGICAL INFORMATION  
CHRONIC OVEREXPOSURE TO XYLENE MAY CAUSE KIDNEY AND/OR LIVER DAMAGEMEDICAL CONDITIONS AGGRAVATED BY EXPOSURE  
EYE DISEASE, SKIN DISORDERS AND ALLERGIES CHRONIC RESPIRATORY DISORDERS

## 12. ECOLOGICAL INFORMATION

## 13. DISPOSAL CONSIDERATIONS

DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

## 14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: NOT D.O.T REGULATED

## 15. REGULATORY INFORMATION

SARA TITLE III NOTIFICATIONS AND INFORMATIONSARA TITLE III - HAZARD CLASSES: Acute Health Hazard  
Chronic Health Hazard

**15. REGULATORY INFORMATION - Continued****SARA TITLE III NOTIFICATIONS AND INFORMATION****SARA TITLE III - SECTION 313 SUPPLIER 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 (EPCRA) of 1986 and of 40 CFR 372:

<u>CAS NUMBER</u>	<u>INGREDIENT NAME</u>	<u>PERCENT BY WEIGHT</u>
1330-20-7	XYLENE (MIXED ISOMERS)	1 to 5

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

**REGULATED INGREDIENTS****INGREDIENT: XYLENE (MIXED ISOMERS)****CAS NUMBER: 1330-20-7****PERCENT BY WEIGHT: 1 to 5****Regulations: OSHA 2 Table Substance****SARA Section 313 Toxic Chemical****16. OTHER INFORMATION**

**HMIS HAZARD RATING - HEALTH: 2 Moderate**  
**- FIRE: 1 Slight**  
**- REACTIVITY: 0 Negligible**  
**- PPE: C**

**SPECIAL HAZARDS: SENSITIZER, IRRITANT****DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES**

The data in this Material Safety Data Sheet relates only to the specific