Material Safety Data Sheet

Sikaflex 252

1 . Product and company identification

Product name : Sikaflex 252

Supplier : Sika Corporation, Industry
30800 Stephenson Highway
Madison Heights, MI 48071
www.sikaindustry.com

Telephone no. : (888) 832 - 7452

Fax no. : (248) 577 - 0810

In case of emergency : CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887

Manufacturer : Sika Corporation, Operations
201 Polito Avenue
Lyndhurst, NJ 07071
www.sikacorp.com

Telephone no. : (201) 933 - 8800

Validation date : **1. June 2009.**

Print date : 1. June 2009.

Product type : Solid.

2 . Composition/information on ingredients

Name	CAS number	%
POLYISOCYANATE PREPOLYMER	TRADE SECRET	
XYLENE (MIXED ISOMERS)	1330-20-7	1 - 5

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

3 . Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential acute health effects

Inhalation : Slightly irritating to the respiratory system.

Ingestion : No known significant effects or critical hazards.

Skin : Irritating to skin.

Eyes : Irritating to eyes.

See toxicological information (section 11)

4 . First aid measures

Notes to physician : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5 . Fire-fighting measures

Flammability of the product : No specific fire or explosion hazard.

Extinguishing media

Suitable : Use an extinguishing agent suitable for the surrounding fire.

Not suitable : None known.

Special exposure hazards : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

5 . Fire-fighting measures

Hazardous combustion products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
halogenated compounds
metal oxide/oxides

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 . Accidental release measures

Personal precautions : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Large spill : Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Small spill : Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

7 . Handling and storage

Handling : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8 . Exposure controls/personal protection

Product name	Exposure limits
Ethene, chloro-, homopolymer	**ACGIH TLV (United States, 1/2008).** TWA: 1 mg/m³ 8 hour(s). Form: Respirable fraction
xylene	**ACGIH TLV (United States, 1/2008).** STEL: 651 mg/m³ 15 minute(s). STEL: 150 ppm 15 minute(s). TWA: 434 mg/m³ 8 hour(s). TWA: 100 ppm 8 hour(s). **OSHA PEL (United States, 11/2006).** TWA: 435 mg/m³ 8 hour(s).

8 . Exposure controls/personal protection

	TWA: 100 ppm 8 hour(s). **OSHA PEL 1989 (United States, 3/1989).** STEL: 655 mg/m³ 15 minute(s). STEL: 150 ppm 15 minute(s). TWA: 435 mg/m³ 8 hour(s). TWA: 100 ppm 8 hour(s).
ethylbenzene	**ACGIH TLV (United States, 1/2008).** TWA: 100 ppm 8 hour(s). STEL: 125 ppm 15 minute(s). **OSHA PEL 1989 (United States, 3/1989).** TWA: 100 ppm 8 hour(s). TWA: 435 mg/m³ 8 hour(s). STEL: 125 ppm 15 minute(s). STEL: 545 mg/m³ 15 minute(s). **NIOSH REL (United States, 6/2008).** TWA: 100 ppm 10 hour(s). TWA: 435 mg/m³ 10 hour(s). STEL: 125 ppm 15 minute(s). STEL: 545 mg/m³ 15 minute(s). **OSHA PEL (United States, 11/2006).** TWA: 100 ppm 8 hour(s). TWA: 435 mg/m³ 8 hour(s).
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	**ACGIH TLV (United States, 1/2008).** TWA: 0.005 ppm 8 hour(s). **NIOSH REL (United States, 6/2008). Absorbed through skin.** STEL: 0.18 mg/m³ 15 minute(s). STEL: 0.02 ppm 15 minute(s). TWA: 0.045 mg/m³ 10 hour(s). TWA: 0.005 ppm 10 hour(s). **OSHA PEL 1989 (United States, 3/1989). Absorbed through skin.** STEL: 0.02 ppm 15 minute(s). TWA: 0.01 ppm 8 hour(s).

Engineering measures : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

Respiratory : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eyes : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

8 . Exposure controls/personal protection

Skin : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

9 . Physical and chemical properties

Flash point : Closed cup: 80°C (176°F)

Color : Various

Odor : Aromatic.

Density : ~1.2 g/cm^3

VOC : 61 (g/l).

10 . Stability and reactivity

Stability : The product is stable.

Conditions to avoid : No specific data.

Materials to avoid : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Hazardous polymerization : Under normal conditions of storage and use, hazardous polymerization will not occur.

11 . Toxicological information

Potential chronic health effects

Chronic effects : Contains material that may cause target organ damage, based on animal data.

Carcinogenicity : Contains material which may cause cancer, based on animal data. Risk of cancer depends on duration and level of exposure.

Acute toxicity

Conclusion/Summary : Not available.

Carcinogenicity

Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Ethene, chloro-, homopolymer	A4	3	-	-	-	-
xylene	A4	3	-	-	-	-
ethylbenzene	A3	2B	-	-	-	-

12 . Ecological information

Environmental effects : No known significant effects or critical hazards.

13 . Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14 . Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Additional information
DOT Classification	Not regulated.		-	-	-
TDG Classification	Not regulated.		-	-	-
ADR/RID Class	Not regulated.		-	-	-
IMDG Class	Not regulated.		-	-	-
IATA-DGR Class	Not regulated.		-	-	-

PG* : Packing group

15 . Regulatory information

U.S. Federal regulations : TSCA 8(a) PAIR: 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate
United States inventory (TSCA 8b): All components are listed or exempted.
TSCA 8(d) H and S data reporting: 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate: 1990; hexamethylene-di-isocyanate: 1990

SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: xylene; ethylbenzene; Ethene, chloro-, homopolymer
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: xylene: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard; ethylbenzene: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard; Ethene, chloro-, homopolymer: Delayed (chronic) health hazard

Clean Water Act (CWA) 307: ethylbenzene; vinyl chloride

Clean Water Act (CWA) 311: xylene; ethylbenzene; n-butyl acetate

Clean Air Act (CAA) 112 accidental release prevention: vinyl chloride

Clean Air Act (CAA) 112 regulated flammable substances: vinyl chloride

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

SARA 313

Form R - Reporting requirements :

Product name	CAS number	Concentration
xylene	1330-20-7	1 - 5
ethylbenzene	100-41-4	0.5 - 1.5

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

State regulations :

Massachusetts Substances: The following components are listed: XYLENE; ETHYL BENZENE

New Jersey Hazardous Substances: The following components are listed: XYLENES; ETHYL BENZENE

New York Acutely Hazardous Substances: The following components are listed: Xylene (mixed); Ethylbenzene

Pennsylvania RTK Hazardous Substances: The following components are listed: BENZENE, DIMETHYL-; BENZENE, ETHYL-

California Prop. 65

15 . Regulatory information

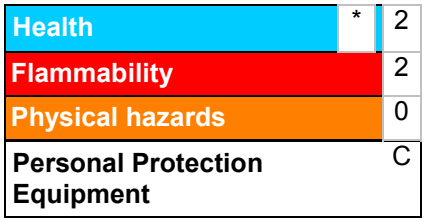
WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich	No.	Yes.	No.	No.
ethylbenzene	Yes.	No.	No.	No.
vinyl chloride	Yes.	No.	Yes.	No.

United States inventory (TSCA 8b) : All components are listed or exempted.

16 . Other information

Hazardous Material Information System (U.S.A.) :



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

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