

SAFETY DATA SHEET
Sikadur®-61 Epoxy PU Joint (B)



Version 1.0 Revision Date: 2023/03/01 SDS Number: 100000771575 Date of last issue: 2022/03/02
Date of first issue: 2022/03/02

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Sikadur®-61 Epoxy PU Joint (B)
Product code : 100000771575

Manufacturer or supplier's details

Company : Sika (Thailand) Limited
700/37 Moo. 5 Amata Nakorn Estate
Bangna-Trad Km.57
Tambol Klong Tamhru
Muang District
Chonburi 20000
Thailand
Telephone : +66 3810 9500
Emergency telephone number : +66 3821 4270-85
Telefax : +66 3821 4286
E-mail address : Sikathai@th.sika.com
Recommended use of the chemical and restrictions on use
Product use : Epoxy compound for sealing joints

2. HAZARDOUS IDENTIFICATION

GHS Classification

Skin corrosion/irritation : Category 1
Serious eye damage/eye irritation : Category 1
Skin sensitizer : Category 1
Hazardous to the aquatic environment, long-term hazard : Category 3

GHS Label element

Hazard pictograms :



Signal word : DANGER

Hazard statements : H314 Cause severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash hand thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.

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P280 Wear protective gloves/eye protection/face protection

Response:

P301 + P330 + P331+ P312 IF SWALLOWED : Rinse mouth. Do not induce vomiting. Call a poison center/doctor if you feel unwell.

P303 + P361 + P353 IF ON SKIN (or hair) : Remove/Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P304 + P340 + P310 IF INHALED : Remove person to fresh air and keep comfortable for breathing.

Call a poison center or doctor/physician if you feel unwell.

P305 + P351 + P338+ P310 IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.

P333 + P313 IF skin irritation or rash occurs : Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

Storage

P405 Store locked up.

Disposal:

P501 Dispose of contents/container in accordance with local / regional/national/international regulations

Other hazards which do not result in classification

None know.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical Name	CAS No.	Concentration (% w/w)
Polyoxypropylenediamine	9046-10-0	40-60
3-Aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	1-10
Benzyl alcohol	100-51-6	1-10
Calcium carbonate	471-34-1	20-40

4. FIRST AID MEASURES

Inhalation : Remove person to fresh air and keep at rest in a position comfortable for breathing.
Get medical attention if you feel unwell.

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Skin contact : Immediately wash skin with soap and plenty of water. Remove and wash contaminated clothing before reuse. Get medical attention if irritation develops and persists.

Eye contact : Immediately rinse eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

Ingestion : If swallowed, do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with clean water and get medical attention immediately.

Most important symptoms and effects, both acute and delayed : Inhalation : Irritations of the mucous membranes, coughing and dyspnoea.
Skin contact : Causes skin irritation. May cause an allergic skin reaction.
Eye contact : Causes serious eye irritation.
Ingestion : Harmful if swallowed. Burns in mouth, throat and gastrointestinal tract.

Indication of any immediate medical attention and special treatment needs : Note to physicians : Treat symptomatically

5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical : Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.

Special protective equipment and precautions for fire-fighters : In case of fire, firefighters should wear self-contained breathing apparatus (SCBA) and protective suit.

6. ACCIDENTAL MEASURES

Personal precautions : Avoid contact with skin and eyes. Use appropriate personal protective equipment (see section 8.) Isolate the hazard area and deny entry to unnecessary or unprotected personnel.

Environmental precautions : Prevent entry to sewers, ditches and waterways.

Methods and materials for containment and cleaning up : Collect spillage in a suitable container, seal securely for disposal according to local regulations.

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7. HANDLING AND STORAGE

- Precautions for safe handling : Provide good ventilation. Do not breathe vapours or spray mist. Avoid contact with skin and eyes. Use appropriate personal protective equipment recommended in section 8 and wash thoroughly after handling.
- Conditions for safe storage, including any incompatibilities : Store in a dry, cool and well-ventilated place, keep container tightly closed when not in use and protect from incompatible materials. Keep away from direct sunlight and heat, recommended storage is between 50C to 400C.
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8. EXPOSURE CONTROL/PERSONAL PROTECTION

Control parameters

No occupational exposure limit values established.

Engineering controls

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment (PPE)

Eye/ face protection : Wear chemical goggles and/or face shields.

Skin/ body protection : Wear chemical resistance gloves and appropriate protective clothing and boots.

Respiratory protection : Wear the suitable mask when encounter concentrations of contaminants and there is inadequate ventilation.

Hygiene measures : Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : Black viscous
- Colour : Black
- Odour : Amine odour
- Odour Threshold : No data available
- pH : No data available
- Melting point/range / Freezing point : No data available
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Boiling point/boiling range	: No data available
Flash point	: No data available
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower flammability limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: 1.60 – 1.80
Solubility(ies)	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: This product is stable under normal conditions of storage.
Possibility of hazardous reactions	: Hazardous reactions will not occur.
Conditions to avoid	: Heat, flames and sparks
Incompatible materials	: Strong acids and strong oxidizing agents
Hazardous decomposition products	: No data available

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11. TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure

Inhalation, skin contact, and eye contact.

Symptoms related to physical, chemical, and toxicological characteristics

Inhalation	Irritations of the mucous membranes, coughing and dyspnoea.
Skin contact	Causes severe skin burns. May cause an allergic skin reaction.
Eye contact	Causes serious eye damage and burns.
Ingestion	Harmful if swallowed. Burns in mouth, throat and gastrointestinal tract.

Delayed and immediate effects and also chronic effects from short and long term exposure

Skin corrosion/irritation	Causes skin irritation
Serious eye damage/irritation	Causes serious eye damage
Respiratory or skin sensitization	May cause an allergic skin reaction
Gem cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT-Single exposure	May cause respiratory irritation
STOT-Repeated exposure	No data available
Aspiration toxicity	No data available

Numerical measure of toxicity

Acute toxicity	No data available
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12. ECOLOGICAL INFORMATION

Ecotoxicity : Harmful to aquatic life with long lasting effects.

Components:

Polyoxypropylenediamine

a) Aquatic acute toxicity : LC50 – Fish >100 mg/l (96 hr.)

3-Aminomethyl-3,5,5-trimethylcyclohexylamine

a) Aquatic acute toxicity : LC50 – Fish >110 mg/l (96 hr.)

: EC50 – Daphnia 23 mg/l (48 hr.)

: EC50 – Algae >50 mg/l (72 hr.)

b) Aquatic chronic toxicity : NOEC – Daphnia 3 mg/l (504 hr.)

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Benzyl alcohol

a) Aquatic acute toxicity	:	LC50 – Fish	460 mg/l (96 hr.)
	:	EC50 – Daphnia	230 mg/l (48 hr.)
	:	EC50 – Algae	700 mg/l (72 hr.)

Persistence/Degradability	No data available.
Bio-accumulation	No data available.
Mobility in soil	No data available.
Other adverse effects	Avoid release to the environment

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

This material and its container must be disposed of in a safe way. Do not allow material into any sewer on the ground, or into any body of water. Dispose of contents/container in accordance with local/regional/nation/international regulations, or send to a licensed waste management company.

14. TRANSPORT INFORMATION

This product is classified as dangerous goods for transport according to ADR/RID, IMO/IMDG and IATA/ICAO regulations.



UN number	:	UN2735
UN proper shipping name	:	AMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylenediamine)
Transport hazard class	:	8
Packing group	:	III
Environmental hazards	:	No
Special precautions for user	:	No data available

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture Thailand.

Hazardous Substance Act B.E. 2535	:	Not applicable
Emergency Degree on Controlling the Use of Volatile Substance B.E. 2533	:	Not applicable

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16. OTHER INFORMATION

Revision history

Revision : 2022/03/02
Reason for revision : Updated information compliant with GHS standard

Definitions and abbreviations

ACGIH : American Conference of Governmental Industrial Hygienists
ADR/RID : European Agreement for transport of dangerous goods by road (ADR) and by rail (RID)
GHS : Global Harmonized System of Classification and Labeling of Chemicals
IATA : International Air Transport Association
ICAO : International Civil Aviation Organization
IMO : International Maritime Organization
IMDG : International Maritime Dangerous Goods
LC50 : Lethal Concentration, 50 percent
LD50 : Lethal Dose, 50 percent
Mppcf : Million particles per cubic foot of air
OEL : Occupational Exposure Limit
OSHA : Occupational Safety and Health Administration
PEL : Permissible Exposure Limit
STOT : Specific Target Organ Toxicity
TLV : Threshold Limit Value
TWA : Time Weighted Average

Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. We will not be held liable for any damage resulting from handling or from contact with the above product.