

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



Version
1.0

Revision Date:
2023/03/01

SDS Number:
100000771574

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 (A)

Product code : 100000771574

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 2

Serious eye damage/eye irritation : Category 2A

Skin sensitizer : Category 1

Hazardous to the aquatic environment, long-term hazard : Category 2

GHS Label element

Hazard pictograms :



Signal word : Warning

Hazard statements : H315 Causes skin irritation
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic 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.

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P273 Avoid release to the environment.
P280 Wear protective gloves/eye protection/face protection

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313 IF skin irritation or rash occurs : Get medical advice/attention.
P337 + P313 IF eye irritation persists : Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash before reuse.
P391 Collect spillage.

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)
Reaction product : Bisphenol-A-(epichlorohydrin) epoxy resin (MW<700)	25068-38-6	20-40
Oxirane, mono [(C12-14-alkyloxy)methyl] derivs	68609-97-2	1-10
Titanium dioxide	13463-67-7	1-10
Calcium carbonate	471-34-1	50-70

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.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital. Remove contact lenses.
Keep eye wide open while rinsing.
- 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 : No known significant effects or critical hazards.
Skin contact : Causes skin irritation. May cause an allergic skin reaction.
Eye contact : Causes serious eye irritation.
Ingestion : May be irritating to mouth, throat and stomach.
- Indication of any immediate medical attention and special treatment needs : Note to physicians : Treat symptomatically
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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 : No specific fire or explosion hazard.
- Special protective equipment and precautions for fire-fighters : In case of fire, firefighters should wear self-contained breathing apparatus (SCBA) and protective suit.
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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. if significant spillages cannot be contained.

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

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.

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 as required to prevent potential eye contact, irritation or injury.

Skin/ body protection : Wear chemical resistance gloves and appropriate protective clothing and boots as required to prevent skin contact

Respiratory protection : Wear respiratory protection when encounter concentrations of contaminants and there is inadequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : White viscous

Colour : White

Odour : Characteristic

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 and direct sunlight.
Incompatible materials	: No data available
Hazardous decomposition products	: No data available

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11. TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure

Skin and eye contact.

Symptoms related to physical, chemical, and toxicological characteristics

Inhalation	No know significant effects or critical hazards.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.
Ingestion	May be irritating to mouth, throat and stomach.

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

Components:

Toxic to aquatic life with long lasting effects.

Reaction product Bisphenol-A-(epichlorohydrin) epoxy resin	: EC50 – daphnia (48 hours) = 1.8 mg/L
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Persistence/Degradability	No data available.
Bio-accumulation	No data available.
Mobility in soil	No data available.
Other adverse effects	Avoid release to the environment

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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	:	UN3082
UN proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy resin)
Transport hazard class	:	9
Packing group	:	III
Environmental hazards	:	Yes (Marine pollutant)

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

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

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(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.