

# SAFETY DATA SHEET

## Sikadur®-52 MY Part B



Version  
4.0

Revision Date:  
09.04.2025

SDS Number:  
000000605515

Date of last issue: 01.04.2023  
Date of first issue: 11.03.2015

### SECTION 1: Identification of the hazardous chemical and of the supplier

#### Product identifier

Product name : Sikadur®-52 MY Part B

#### Recommended use of the chemical and restrictions on use

Product use : Product is not intended for consumer use

#### Manufacturer or supplier's details

Company : Sika Kimia Sdn. Bhd.  
Lot 689 Nilai Industrial Estate  
71800 Nilai

Telephone : +60 6799 1762

Emergency telephone number : -

E-mail address : SDS@my.sika.com

Telefax : +60 6799 1980

### SECTION 2: Hazards identification

#### Classification of the hazardous chemical

Acute toxicity (Oral) : Category 4

Skin corrosion/irritation : Category 1

Serious eye damage/eye irritation : Category 1

Skin sensitisation : Category 1

Aspiration hazard : Category 1

Hazardous to the aquatic environment - chronic hazard : Category 2

#### Label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.

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Precautionary statements :

H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H411 Toxic to aquatic life with long lasting effects.

### Prevention:

P264 Wash skin thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

### Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
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 victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.  
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/ physician.  
P391 Collect spillage.

### Other hazards which do not result in classification

None known.

## SECTION 3: Composition and information of the ingredients of the hazardous chemical

Substance / Mixture : Mixture

### Components

| Chemical name                                                                                       | CAS-No.    | Concentration (% w/w) |
|-----------------------------------------------------------------------------------------------------|------------|-----------------------|
| Solvent naphtha (petroleum), heavy arom.                                                            | 64742-94-5 | >= 30 -< 60           |
| 3-aminomethyl-3,5,5-trimethylcyclohexylamine                                                        | 2855-13-2  | >= 10 -< 30           |
| 3,6-diazaoctanethylenediamin                                                                        | 112-24-3   | >= 10 -< 25           |
| benzyl alcohol                                                                                      | 100-51-6   | >= 10 -< 30           |
| 2,4,6-tris(dimethylaminomethyl)phenol                                                               | 90-72-2    | >= 5 -< 10            |
| reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) | 25068-38-6 | >= 3 -< 5             |
| bis[(dimethylamino)methyl]phenol                                                                    | 71074-89-0 | >= 1 -< 3             |
| naphthalene                                                                                         | 91-20-3    | >= 0.25 -< 1          |

## SECTION 4: First aid measures

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- General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.  
Consult a physician after significant exposure.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.  
Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
- 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.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : Health injuries may be delayed.  
Risk of serious damage to the lungs (by aspiration).  
corrosive effects  
sensitising effects  
Harmful if swallowed.  
May be fatal if swallowed and enters airways.  
May cause an allergic skin reaction.  
Causes serious eye damage.  
Causes severe burns.  
Aspiration may cause pulmonary oedema and pneumonitis.  
Gastrointestinal discomfort  
Allergic reactions  
Dermatitis  
See Section 11 for more detailed information on health effects and symptoms.
- Notes to physician : Treat symptomatically.

### SECTION 5: Firefighting measures

#### Extinguishing media

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

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### Physicochemical hazards arising from the chemical

Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : No hazardous combustion products are known

### Special protective equipment and precautions for fire-fighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Specific extinguishing methods : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Hazchem Code : 2X

### SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Deny access to unprotected persons.

Environmental precautions : Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

### SECTION 7: Handling and storage

#### Handling

#### Precautions for safe handling

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : Avoid exceeding the given occupational exposure limits (see section 8).  
Do not get in eyes, on skin, or on clothing.  
For personal protection see section 8.  
Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

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Smoking, eating and drinking should be prohibited in the application area.  
Follow standard hygiene measures when handling chemical products

### Storage

#### Conditions for safe storage, including any incompatibilities

Conditions for safe storage : Store in original container.  
Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Store in accordance with local regulations.

## SECTION 8: Exposure controls and personal protection

### Control parameters

| Components  | CAS-No. | Value type<br>(Form of exposure) | Control parameters / Permissible concentration | Basis  |
|-------------|---------|----------------------------------|------------------------------------------------|--------|
| naphthalene | 91-20-3 | TWA                              | 10 ppm<br>52 mg/m <sup>3</sup>                 | MY PEL |
|             |         | TWA                              | 10 ppm                                         | ACGIH  |

#### Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.

Skin protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Hand protection : 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.

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

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When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

### SECTION 9: Physical and chemical properties

|                                                  |                                                  |
|--------------------------------------------------|--------------------------------------------------|
| Appearance                                       | : liquid                                         |
| Colour                                           | : brown                                          |
| Odour                                            | : amine-like                                     |
| Odour Threshold                                  | : No data available                              |
| pH                                               | : 11.9                                           |
| Melting point/ range / Freezing point            | : No data available                              |
| Boiling point/boiling range                      | : No data available                              |
| Flash point                                      | : > 93.3 °C (> 199.9 °F)<br>(Method: closed cup) |
| 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                                  | : 0.1 hPa                                        |
| Relative vapour density                          | : No data available                              |
| Density                                          | : 0.9 g/cm <sup>3</sup> (20 °C (68 °F))          |
| Solubility(ies)                                  |                                                  |
| Water solubility                                 | : soluble                                        |
| Solubility in other solvents                     | : 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                              |

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Viscosity, kinematic : > 7 mm<sup>2</sup>/s ( 40 °C (104 °F))  
Explosive properties : No data available  
Oxidizing properties : No data available

### SECTION 10: Stability and reactivity

Reactivity : No dangerous reaction known under conditions of normal use.  
Chemical stability : The product is chemically stable.  
Possibility of hazardous reactions : Stable under recommended storage conditions.  
Conditions to avoid : No data available  
Incompatible materials : No data available  
Hazardous decomposition products : No hazardous decomposition products are known.

### SECTION 11: Toxicological information

Information on likely routes of exposure : None known.

#### Acute toxicity

Harmful if swallowed.

#### Components:

##### **Solvent naphtha (petroleum), heavy arom.:**

Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg  
Acute inhalation toxicity : LC50 (Rat): > 4.7 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity

##### **3-aminomethyl-3,5,5-trimethylcyclohexylamine:**

Acute oral toxicity : LD50 Oral (Rat): 1,030 mg/kg  
Acute inhalation toxicity : LC50 (Rat): > 5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Acute dermal toxicity : LD50 (Rabbit): > 2,000 - 5,000 mg/kg

##### **3,6-diazaoctanethylenediamin:**

Acute oral toxicity : LD50 Oral (Rat): 1,716 mg/kg

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Acute dermal toxicity : LD50 Dermal (Rabbit): 1,465 mg/kg

### benzyl alcohol:

Acute oral toxicity : LD50 Oral (Rat): 1,200 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 4.178 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

### 2,4,6-tris(dimethylaminomethyl)phenol:

Acute oral toxicity : LD50 Oral (Rat): 2,169 mg/kg

### reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight $\leq 700$ ):

Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): > 20,000 mg/kg

### Skin corrosion/irritation

Causes severe burns.

### Components:

#### 2,4,6-tris(dimethylaminomethyl)phenol:

Species : Rabbit  
Assessment : Corrosive  
Method : OECD Test Guideline 404

### Serious eye damage/eye irritation

Causes serious eye damage.

### Components:

#### 2,4,6-tris(dimethylaminomethyl)phenol:

Species : Rabbit  
Assessment : Causes serious eye damage.

### Respiratory or skin sensitisation

#### Skin sensitisation

May cause an allergic skin reaction.

#### Respiratory sensitisation

Not classified due to lack of data.

#### Germ cell mutagenicity

Not classified due to lack of data.

#### Carcinogenicity

Not classified due to lack of data.

#### Reproductive toxicity

Not classified due to lack of data.

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### STOT - single exposure

Not classified due to lack of data.

### STOT - repeated exposure

Not classified due to lack of data.

### Aspiration toxicity

May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information

### Ecotoxicity

#### Components:

##### **Solvent naphtha (petroleum), heavy arom.:**

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.1 mg/l  
Exposure time: 48 h  
(Chronic toxicity)

##### **3-aminomethyl-3,5,5-trimethylcyclohexylamine:**

Toxicity to algae/aquatic plants : ErC50 (Desmodesmus subspicatus (green algae)): > 10 - 100 mg/l  
Exposure time: 72 h

NOEC (Desmodesmus subspicatus (green algae)): 1.5 mg/l  
Exposure time: 72 h

##### **3,6-diazaoctanethylenediamin:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 10 - 100 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 10 - 100 mg/l  
Exposure time: 72 h

##### **benzyl alcohol:**

Toxicity to fish : LC50 (Fish): > 100 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h

##### **reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700):**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 2 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.8 mg/l  
Exposure time: 48 h

##### **naphthalene:**

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M-Factor (Acute aquatic toxicity) : 1  
M-Factor (Chronic aquatic toxicity) : 1

### Persistence and degradability

No data available

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

#### Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Toxic to aquatic life with long lasting effects.

## SECTION 13: Disposal information

### Disposal methods

Waste from residues : Send to a licensed waste management company.  
  
The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
  
Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
  
Do not re-use empty containers.

## SECTION 14: Transport information

### International Regulations

#### UNRTDG

UN number : UN 3267  
Proper shipping name : CORROSIVE LIQUID, BASIC, ORGANIC, N.O. S.  
Class : 8  
Packing group : III  
Labels : 8  
Environmentally hazardous : no

#### IATA-DGR

UN/ID No. : UN 3267  
Proper shipping name : Corrosive liquid, basic, organic, n.o.s.  
Class : 8

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Packing group : III  
Labels : Corrosive  
Packing instruction (cargo aircraft) : 856  
Packing instruction (passenger aircraft) : 852

### IMDG-Code

UN number : UN 3267  
Proper shipping name : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.  
Class : 8  
Packing group : III  
Labels : 8  
EmS Code : F-A, S-B  
Marine pollutant : no

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Hazchem Code : 2X

### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## SECTION 15: Regulatory information

### Safety, health, and environmental regulations specific for the hazardous chemical

Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013.

Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000.

International Chemical Weapons Convention (CWC) : Not applicable  
Schedules of Toxic Chemicals and Precursors

## SECTION 16: Other information

Revision Date : 09.04.2025  
Date format : dd.mm.yyyy

### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
MY PEL : Malaysia. Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000.

ACGIH / TWA : 8-hour, time-weighted average  
MY PEL / TWA : Eight-hour time-weighted average airborne concentration

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|        |   |                                                                                                                                                                                                                                      |
|--------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ADR    | : | European Agreement concerning the International Carriage of Dangerous Goods by Road                                                                                                                                                  |
| CAS    | : | Chemical Abstracts Service                                                                                                                                                                                                           |
| DNEL   | : | Derived no-effect level                                                                                                                                                                                                              |
| EC50   | : | Half maximal effective concentration                                                                                                                                                                                                 |
| GHS    | : | Globally Harmonized System                                                                                                                                                                                                           |
| IATA   | : | International Air Transport Association                                                                                                                                                                                              |
| IMDG   | : | International Maritime Code for Dangerous Goods                                                                                                                                                                                      |
| LD50   | : | Median lethal dosis (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)                                                                                               |
| LC50   | : | Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)                                                                                                 |
| MARPOL | : | International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978                                                                                                                        |
| OEL    | : | Occupational Exposure Limit                                                                                                                                                                                                          |
| PBT    | : | Persistent, bioaccumulative and toxic                                                                                                                                                                                                |
| PNEC   | : | Predicted no effect concentration                                                                                                                                                                                                    |
| REACH  | : | Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency |
| SVHC   | : | Substances of Very High Concern                                                                                                                                                                                                      |
| vPvB   | : | Very persistent and very bioaccumulative                                                                                                                                                                                             |

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

|| Changes as compared to previous version !

MY / EN