

# SAFETY DATA SHEET

## SikaCeram®-850 Design (B)



Version  
1.0

Revision Date:  
11.10.2025

SDS Number:  
100000053127

Date of last issue: -  
Date of first issue: 11.10.2025

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product identifier** : SikaCeram®-850 Design (B)

**Manufacturer or supplier's details**

Company : **Sika (Singapore) Pte Ltd.**

28 Tuas South Ave 8  
637648 Singapore

Telephone : +65 6861 0632

**Emergency telephone number** : +65 6861 0632

E-mail address : -

Telefax : +65 6862 3915

### 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

Acute toxicity (Oral) : Category 4

Skin corrosion/irritation : Category 1

Serious eye damage/eye irritation : Category 1

Skin sensitisation : Category 1

Long-term (chronic) aquatic hazard : Category 2

**GHS Label elements, including precautionary statements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H411 Toxic to aquatic life with long lasting effects.

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### Precautionary statements

#### : Prevention:

P260 Do not breathe dust.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

#### : Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.  
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/ doctor.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P391 Collect spillage.

#### : Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards which do not result in classification

None known.

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Sika Adduct BAA (epoxy amine adduct)	60112-98-3	>= 30 -< 50
Polyoxypropylene diamine	9046-10-0	>= 30 -< 50
benzyl alcohol	100-51-6	>= 10 -< 20
Titanium dioxide (> 10 µm)	13463-67-7	>= 1 -< 10
1,3-Cyclohexanedimethanamine	2579-20-6	>= 1 -< 3
Fatty acids, C18 unsatd, trimers, reaction product with triethylene tetramine	162627-18-1	>= 0.25 -< 1

# SAFETY DATA SHEET

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Version  
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### 4. FIRST AID MEASURES

#### Description of necessary first-aid measures

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

Risks : Health injuries may be delayed.  
corrosive effects  
sensitising effects  
Harmful if swallowed.  
May cause an allergic skin reaction.  
Causes serious eye damage.  
Causes severe burns.  
Gastrointestinal discomfort  
Allergic reactions  
Dermatitis  
See Section 11 for more detailed information on health effects and symptoms.

#### Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

# SAFETY DATA SHEET

## SikaCeram®-850 Design (B)



Version 1.0	Revision Date: 11.10.2025	SDS Number: 100000053127	Date of last issue: - Date of first issue: 11.10.2025
----------------	------------------------------	-----------------------------	--

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### 5. FIREFIGHTING MEASURES

#### Extinguishing media

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

#### Special hazards arising from the substance or mixture

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 actions 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.

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### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.  
Deny access to unprotected persons.

#### Environmental precautions

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

Methods for cleaning up : Pick up and arrange disposal without creating dust.  
Keep in suitable, closed containers for disposal.

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### 7. HANDLING AND STORAGE

#### 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 asth-

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## SikaCeram®-850 Design (B)



Version  
1.0

Revision Date:  
11.10.2025

SDS Number:  
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Date of last issue: -  
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ma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Smoking, eating and drinking should be prohibited in the application area.

Follow standard hygiene measures when handling chemical products

Hygiene measures :

- Handle in accordance with good industrial hygiene and safety practice.
- When using do not eat or drink.
- When using do not smoke.
- Wash hands before breaks and at the end of workday.

### 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.
- Observe label precautions.
- Store in accordance with local regulations.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Titanium dioxide (> 10 µm)	13463-67-7	PEL (long term)	10 mg/m3	SG OEL

### 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.

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.

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.

# SAFETY DATA SHEET

## SikaCeram®-850 Design (B)



Version  
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Revision Date:  
11.10.2025

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	paste
Colour	:	various
Odour	:	ammoniacal
Odour Threshold	:	No data available
pH	:	Not applicable
Melting point/ range / Freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	The product is not flammable.
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
Density	:	ca. 1.11 g/cm <sup>3</sup> (23 °C (73 °F))
Solubility(ies)		
Water solubility	:	No data available
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	:	ca. 125,000 mPa.s (23 °C (73 °F))
Viscosity, kinematic	:	No data available
Explosive properties	:	No data available

# SAFETY DATA SHEET

## SikaCeram®-850 Design (B)



Version 1.0	Revision Date: 11.10.2025	SDS Number: 100000053127	Date of last issue: - Date of first issue: 11.10.2025
----------------	------------------------------	-----------------------------	--

Oxidizing properties : No data available

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### 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.

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### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Harmful if swallowed.

#### Components:

##### **Polyoxypolyene diamine:**

Acute oral toxicity : LD50 Oral (Rat): 2,880 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

##### **1,3-Cyclohexanedimethanamine:**

Acute oral toxicity : LD50 Oral: 301 mg/kg

Acute dermal toxicity : LD50 Dermal (Rat): 1,700 mg/kg

#### **Skin corrosion/irritation**

Causes severe burns.

#### **Serious eye damage/eye irritation**

Causes serious eye damage.

#### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

May cause an allergic skin reaction.

# SAFETY DATA SHEET

## SikaCeram®-850 Design (B)



Version 1.0	Revision Date: 11.10.2025	SDS Number: 100000053127	Date of last issue: - Date of first issue: 11.10.2025
----------------	------------------------------	-----------------------------	--

### 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.

### STOT - single exposure

Not classified due to lack of data.

### STOT - repeated exposure

Not classified due to lack of data.

### Aspiration toxicity

Not classified due to lack of data.

## 12. ECOLOGICAL INFORMATION

### Toxicity

#### Components:

##### **Polyoxypolyene diamine:**

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (algae)): 15 mg/l  
Exposure time: 72 h

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC50 (Daphnia magna (Water flea)): 80 mg/l  
Exposure time: 48 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

##### **Fatty acids, C18 unsatd, trimers, reaction product with triethylene tetramine:**

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 1.56 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): 0.74 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): 0.454 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

# SAFETY DATA SHEET

## SikaCeram®-850 Design (B)



---

Version 1.0	Revision Date: 11.10.2025	SDS Number: 100000053127	Date of last issue: - Date of first issue: 11.10.2025
----------------	------------------------------	-----------------------------	--

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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.

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## 13. DISPOSAL CONSIDERATIONS

### 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.

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## 14. TRANSPORT INFORMATION

### International Regulations

#### UNRTDG

UN number : UN 2735  
UN proper shipping name : AMINES, LIQUID, CORROSIVE, N.O.S.  
(Polyoxypropylene diamine)  
Transport hazard class(es) : 8  
Packing group : III  
Labels : 8  
Environmental hazards : yes

#### IATA-DGR

UN/ID No. : UN 2735

# SAFETY DATA SHEET

## SikaCeram®-850 Design (B)



---

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11.10.2025	100000053127	Date of first issue: 11.10.2025

---

UN proper shipping name : Amines, liquid, corrosive, n.o.s.  
(Polyoxypropylene diamine)  
Transport hazard class(es) : 8  
Packing group : III  
Labels : Corrosive  
Packing instruction (cargo aircraft) : 856  
Packing instruction (passenger aircraft) : 852  
Environmentally hazardous : yes

### IMDG-Code

UN number : UN 2735  
UN proper shipping name : AMINES, LIQUID, CORROSIVE, N.O.S.  
(Polyoxypropylene diamine)  
Transport hazard class(es) : 8  
Packing group : III  
Labels : 8  
EmS Code : F-A, S-B  
Marine pollutant : yes

### Transport in bulk according to IMO instruments

Not applicable for product as supplied.

### 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.

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## 15. REGULATORY INFORMATION

### Safety, health and environmental regulations specific for the product in question

Workplace Safety and Health Act and Workplace Safety and Health (General Provisions) Regulations: This product is subject to the requirements in the Act/Regulations.

Environmental Protection and Management Act and : Not applicable  
Environmental Protection and Management (Hazardous Substances) Regulations

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## 16. OTHER INFORMATION

Revision Date : 11.10.2025  
Date format : dd.mm.yyyy

### Full text of other abbreviations

SG OEL : Singapore. Workplace Safety and Health (General Provisions) Regulations - First Schedule Permissible Exposure Limits of Toxic Substances.  
SG OEL / PEL (long term) : Permissible Exposure Level (PEL) Long Term  
ADR : European Agreement concerning the International Carriage of

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---

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----------------	------------------------------	-----------------------------	--

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CAS	Dangerous Goods by Road
DNEL	: Chemical Abstracts Service
EC50	: Derived no-effect level
GHS	: Half maximal effective concentration
IATA	: Globally Harmonized System
IMDG	: International Air Transport Association
LD50	: International Maritime Code for Dangerous Goods
LC50	: Median lethal dose (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)
MARPOL	: Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)
OEL	: International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978
PBT	: Occupational Exposure Limit
PNEC	: Persistent, bioaccumulative and toxic
REACH	: Predicted no effect concentration
SVHC	: 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
vPvB	: Substances of Very High Concern
	: 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.

SG / EN