

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



SikaCeram®-855 Part B

Version
1.0

Revision Date:
2024/04/22

SDS Number:
100000057089

Date of last issue: -
Date of first issue: 2024/04/22

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : SikaCeram®-855 Part B

Manufacturer or supplier's details

Company : Sika (Shanghai) Management Co., Ltd.
NO.252, Jiangchang 3rd Road , Jing'an District, Shanghai,
China

Telephone : (86) 021 8017 1833

Emergency telephone number : +86-21-8017 1834

E-mail address : safety@davco.cn

Telefax : (86) 021 8017 1833

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance : paste
Colour : various
Odour : slight

May be harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.

GHS Classification

Acute toxicity (Oral) : Category 5
Skin corrosion/irritation : Category 1B
Serious eye damage/eye irritation : Category 1
Skin sensitisation : Category 1
Short-term (acute) aquatic hazard : Category 3
Long-term (chronic) aquatic hazard : Category 3

GHS label elements

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



SikaCeram®-855 Part B

Version
1.0

Revision Date:
2024/04/22

SDS Number:
100000057089

Date of last issue: -
Date of first issue: 2024/04/22

Hazard pictograms :



Signal word :

Danger

Hazard statements :

H303 May be harmful if swallowed.
H314 Causes 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:

P260 Do not breathe dust.
P264 Wash skin thoroughly after handling.
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.

Response:

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/ shower.
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.
P312 Call a POISON CENTER/ doctor if you feel unwell.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage:

P405 Store locked up.

Disposal:

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

Physical and chemical hazards

Not classified based on available information.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



SikaCeram®-855 Part B

Version
1.0

Revision Date:
2024/04/22

SDS Number:
100000057089

Date of last issue: -
Date of first issue: 2024/04/22

Health hazards

May be harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. May cause an allergic skin reaction.

Environmental hazards

Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Other hazards which do not result in classification

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
glass, oxide, chemicals	65997-17-3	>= 30 -< 50
benzyl alcohol	100-51-6	>= 10 -< 20
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	25068-38-6	>= 10 -< 20
3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	>= 5 -< 10
4,4'-methylenebis(cyclohexylamine)	1761-71-3	>= 5 -< 10
Quartz (SiO ₂)	14808-60-7	>= 1 -< 10

4. 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.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



SikaCeram®-855 Part B

Version
1.0

Revision Date:
2024/04/22

SDS Number:
100000057089

Date of last issue: -
Date of first issue: 2024/04/22

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.
corrosive effects
sensitising effects
May be harmful if swallowed.
May cause an allergic skin reaction.
Causes serious eye damage.
Causes severe burns.
Allergic reactions
Dermatitis
See Section 11 for more detailed information on health effects and symptoms.

Notes to physician : Treat symptomatically.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Hazardous combustion products : No hazardous combustion products are known
- Specific extinguishing methods : Standard procedure for chemical fires.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

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

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



SikaCeram®-855 Part B

Version
1.0

Revision Date:
2024/04/22

SDS Number:
100000057089

Date of last issue: -
Date of first issue: 2024/04/22

respective authorities.

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

7. HANDLING AND STORAGE

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

Avoidance of contact : No data available

Storage

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
glass, oxide, chemicals	65997-17-3	TWA (fibres)	1 fibres per cubic centimeter	ACGIH
		TWA (fibres)	1 fibres per cubic centimeter	ACGIH
Quartz (SiO ₂)	14808-60-7	PC-TWA (Total dust)	0.5 mg/m ³	CN OEL
Further information: G1 - Carcinogenic to humans				

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



SikaCeram®-855 Part B

Version
1.0

Revision Date:
2024/04/22

SDS Number:
100000057089

Date of last issue: -
Date of first issue: 2024/04/22

		PC-TWA (Respirable dust)	0.2 mg/m ³	CN OEL
		PC-TWA (Total dust)	0.7 mg/m ³	CN OEL
		PC-TWA (Total dust)	1 mg/m ³	CN OEL
		PC-TWA (Respirable dust)	0.7 mg/m ³	CN OEL
		PC-TWA (Respirable dust)	0.3 mg/m ³	CN OEL
		TWA (Respirable particulate matter)	0.025 mg/m ³	ACGIH
		TWA (Respirable particulate matter)	0.025 mg/m ³ (Silica)	ACGIH
		TWA (Respirable particulate matter)	0.025 mg/m ³	ACGIH
		TWA (Respirable particulate matter)	0.025 mg/m ³ (Silica)	ACGIH

Personal protective equipment

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.

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

Skin and body 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

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



SikaCeram®-855 Part B

Version
1.0

Revision Date:
2024/04/22

SDS Number:
100000057089

Date of last issue: -
Date of first issue: 2024/04/22

chemical products if a risk assessment indicates this is necessary.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : paste

Colour : various

Odour : slight

Odour Threshold : No data available

pH : No data available

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) : 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

Density : ca. 1.34 g/cm³ (20 °C (68 °F))

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



SikaCeram®-855 Part B

Version 1.0	Revision Date: 2024/04/22	SDS Number: 100000057089	Date of last issue: - Date of first issue: 2024/04/22
----------------	------------------------------	-----------------------------	--

Solubility(ies)
Water solubility : insoluble

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. 121,500 mPa.s (20 °C (68 °F))

Viscosity, kinematic : 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 : The product is chemically stable.

Possibility of hazardous
reactions : No hazards to be specially mentioned.

Conditions to avoid : No data available

Incompatible materials : No data available

Hazardous decomposition
products : No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

May be harmful if swallowed.

Components:

benzyl alcohol:

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



SikaCeram®-855 Part B

Version 1.0	Revision Date: 2024/04/22	SDS Number: 100000057089	Date of last issue: - Date of first issue: 2024/04/22
----------------	------------------------------	-----------------------------	--

Acute oral toxicity : LD50 Oral (Rat): 1,620 mg/kg

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

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

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

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

3-aminomethyl-3,5,5-trimethylcyclohexylamine:

Acute oral toxicity : LD50 Oral (Rat): 1,030 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 10 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rabbit): > 2,000 - 5,000 mg/kg

4,4'-methylenebis(cyclohexylamine):

Acute oral toxicity : LD50 Oral (Rat): 380 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): 2,110 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.

Respiratory sensitisation

Not classified due to lack of data.

Components:

4,4'-methylenebis(cyclohexylamine):

Test Type	: Buehler Test
Assessment	: The product is a skin sensitiser, sub-category 1B.
Result	: The product is a skin sensitiser, sub-category 1B.

Germ cell mutagenicity

Not classified due to lack of data.

Carcinogenicity

Not classified due to lack of data.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



SikaCeram®-855 Part B

Version
1.0

Revision Date:
2024/04/22

SDS Number:
100000057089

Date of last issue: -
Date of first issue: 2024/04/22

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

Ecotoxicity

Components:

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

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

4,4'-methylenebis(cyclohexylamine):

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC50 (Daphnia magna (Water flea)): 6.84 mg/l
Exposure time: 48 h

Persistence and degradability

No data available

Bioaccumulative potential

No data available

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



SikaCeram®-855 Part B

Version
1.0

Revision Date:
2024/04/22

SDS Number:
100000057089

Date of last issue: -
Date of first issue: 2024/04/22

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.
Harmful to aquatic life with long lasting effects.

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.

14. TRANSPORT INFORMATION

International Regulations

Marine pollutant : yes

IATA-DGR

UN/ID No. : UN 1759

Proper shipping name : Corrosive solid, n.o.s.
(3-aminomethyl-3,5,5-trimethylcyclohexylamine)

Class : 8

Packing group : I

Labels : Corrosive

Packing instruction (cargo aircraft) : 862

Packing instruction (passenger aircraft) : 858

Marine pollutant : yes

IMDG-Code

UN number : UN 1759

Proper shipping name : CORROSIVE SOLID, N.O.S.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



SikaCeram®-855 Part B

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2024/04/22	100000057089	Date of first issue: 2024/04/22

(3-aminomethyl-3,5,5-trimethylcyclohexylamine, 4,4'-methylenebis(cyclohexylamine))

Class : 8
Packing group : I
Labels : 8
EmS Code : F-A, S-B
Marine pollutant : yes

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

Not applicable for product as supplied.

Marine pollutant : yes

National Regulations

GB 6944/12268

UN number : UN 1759
Proper shipping name : CORROSIVE SOLID, N.O.S.
(3-aminomethyl-3,5,5-trimethylcyclohexylamine)
Class : 8
Packing group : I
Labels : 8
Marine pollutant : yes

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.

15. REGULATORY INFORMATION

National regulatory information

Law on the Prevention and Control of Occupational Diseases

Yangtze River Protection Law

This product does not contain any dangerous chemicals prohibited for inland river transport.

The components of this product are reported in the following inventories:

IECSC : On the inventory, or in compliance with the inventory

Regulation on the Administration of Precursor Chemicals

Catalogue and Classification of Precursor Chemicals : Not listed
Not listed

Yangtze River Protection Law

This product does not contain any dangerous chemicals prohibited for inland river transport.

16. OTHER INFORMATION

Revision Date : 2024/04/22

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



SikaCeram®-855 Part B

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2024/04/22	100000057089	Date of first issue: 2024/04/22

Date format : yyyy/mm/dd

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
CN OEL : Occupational exposure limits for hazardous agents in the workplace - Chemical hazardous agents.

ACGIH / TWA : 8-hour, time-weighted average
CN OEL / PC-TWA : Permissible concentration - time weighted average
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 dose (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

Disclaimer

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.

CN / EN