

# SAFETY DATA SHEET

## SikaTherm®-4208 White



Version  
1.0

Revision Date:  
15.02.2024

SDS Number (Internal):  
100000055931

Date of last issue: -  
Date of first issue: 15.02.2024

---

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : SikaTherm®-4208 White

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

Product use : Adhesive

#### Manufacturer or supplier's details

Company : Sika Korea Ltd.  
724, Anseongmatchum-daero  
Miyang-myeon  
Anseong-si  
Gyeonggi-do  
Korea

Telephone : +82-31-8056-7777

Emergency telephone number : +82-31-8056-7777

E-mail address : ehs@kr.sika.com

Telefax : +82-31-8056-7788

---

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Long-term (chronic) aquatic hazard : Category 3

#### GHS label elements

Hazard pictograms : Not applicable

Signal word : Not applicable

Hazard statements : H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
P273 Avoid release to the environment.  
**Disposal:**  
P501 Dispose of contents/ container according to waste-related laws

#### Other hazards which do not result in classification

No data available

---

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

---

# SAFETY DATA SHEET

## SikaTherm®-4208 White



Version  
1.0

Revision Date:  
15.02.2024

SDS Number (Internal):  
100000055931

Date of last issue: -  
Date of first issue: 15.02.2024

Substance / Mixture : Mixture

### Components

Chemical name	Common Name	CAS-No.	Concentration (% w/w)
Titanium dioxide (> 10 µm)	Titanium dioxide (> 10 µm)	13463-67-7	>= 0.1 - < 1
2,2'-(ethylenedioxy)diethanol	2,2'-(ethylenedioxy)diethanol	112-27-6	0.025 - < 0.25
bronopol (INN)	bronopol (INN)	52-51-7	>= 0.0025 - < 0.025
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1))	mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1))	55965-84-9	>= 0.0025 - < 0.025
2-octyl-2H-isothiazole-3-one (OIT)	2-octyl-2H-isothiazole-3-one (OIT)	26530-20-1	0.0025 - < 0.025

## 4. FIRST AID MEASURES

- General advice : No hazards which require special first aid measures.
- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Keep eye wide open while rinsing.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.
- If inhaled : Move to fresh air.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : No known significant effects or hazards.  
See Section 11 for more detailed information on health effects and symptoms.
- Notes to physician : Treat symptomatically.

# SAFETY DATA SHEET

## SikaTherm®-4208 White



Version  
1.0

Revision Date:  
15.02.2024

SDS Number (Internal):  
100000055931

Date of last issue: -  
Date of first issue: 15.02.2024

---

### 5. FIREFIGHTING MEASURES

#### Suitable and unsuitable extinguishing media

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 : For personal protection see section 8.

Environmental precautions : No special environmental precautions required.

Methods and materials for containment and cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).  
Keep in suitable, closed containers for disposal.

---

### 7. HANDLING AND STORAGE

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

Advice on safe handling : For personal protection see section 8.  
No special handling advice required.  
Follow standard hygiene measures when handling chemical products

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.  
Store in accordance with local regulations.

Materials to avoid : No special restrictions on storage with other products.

---

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis

# SAFETY DATA SHEET

## SikaTherm®-4208 White



Version  
1.0

Revision Date:  
15.02.2024

SDS Number (Internal):  
100000055931

Date of last issue: -  
Date of first issue: 15.02.2024

Titanium dioxide (> 10 µm)	13463-67-7	TWA	10 mg/m3	KR OEL
	Further information: Limited evidence of carcinogenicity in humans or animals, which is not sufficiently convincing to place the substance in Category 1			
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1))	55965-84-9	TWA (Inhalable fraction)	0.1 mg/m3	KR OEL

Other ingredients, which are listed in section 3 but not listed in this section, do not have established occupational exposure limit values.

**Personal protective equipment. Among the following personal protective equipment, the PPEs which require safety certification need to be certified by KOSHA.**

- 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 protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.
- 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.
- 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.
- Hygiene measures : When using do not eat or drink.  
When using do not smoke.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : white
- Odour : mild
- Odour Threshold : No data available
- pH : No data available
- Melting point/range / Freezing point : No data available

# SAFETY DATA SHEET

## SikaTherm®-4208 White



Version 1.0	Revision Date: 15.02.2024	SDS Number (Internal): 100000055931	Date of last issue: - Date of first issue: 15.02.2024
----------------	------------------------------	--	--

---

Boiling point/boiling range : No data available

Flash point : No data available

Evaporation rate : No data available

Flammability (solid, gas) : No data available

### Upper/lower flammability or explosive limits

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapour pressure : 23 hPa

### Solubility(ies)

Water solubility : No data available

Solubility in other solvents : No data available

Density : ca. 1 g/cm<sup>3</sup> (20 °C)

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

### Viscosity

Viscosity, dynamic : ca. 6,500 mPa.s (20 °C (68 °F))

Viscosity, kinematic : > 20.5 mm<sup>2</sup>/s ( 40 °C (104 °F))

Explosive properties : No data available

Oxidizing properties : No data available

---

## 10. STABILITY AND REACTIVITY

Chemical stability and possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.  
The product is chemically stable.  
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.

# SAFETY DATA SHEET

## SikaTherm®-4208 White



Version  
1.0

Revision Date:  
15.02.2024

SDS Number (Internal):  
100000055931

Date of last issue: -  
Date of first issue: 15.02.2024

---

### 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : No data available

#### Health hazard information

##### Acute toxicity

No data available

##### Components:

##### **2-octyl-2H-isothiazole-3-one (OIT):**

Acute inhalation toxicity : Acute toxicity estimate: 3 mg/l  
Test atmosphere: dust/mist  
Method: Expert judgement

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

No data available

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

No data available

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

##### **Respiratory sensitisation**

No data available

##### **Skin sensitisation**

No data available

##### **Carcinogenicity**

No data available

##### Components:

##### **Titanium dioxide (> 10 µm):**

Suspected of causing cancer.

##### **2,2'-(ethylenedioxy)diethanol:**

No data available

##### **bronopol (INN):**

No data available

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1)):

No data available

##### **2-octyl-2H-isothiazole-3-one (OIT):**

No data available

# SAFETY DATA SHEET

## SikaTherm®-4208 White



Version  
1.0

Revision Date:  
15.02.2024

SDS Number (Internal):  
100000055931

Date of last issue: -  
Date of first issue: 15.02.2024

---

### **Germ cell mutagenicity**

No data available

### **Components:**

#### **Titanium dioxide (> 10 µm):**

No data available

#### **2,2'-(ethylenedioxy)diethanol:**

No data available

#### **bronopol (INN):**

No data available

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1)):

No data available

#### **2-octyl-2H-isothiazole-3-one (OIT):**

Suspected of causing genetic defects.

### **Reproductive toxicity**

No data available

### **Components:**

#### **Titanium dioxide (> 10 µm):**

No data available

#### **2,2'-(ethylenedioxy)diethanol:**

Suspected of damaging fertility or the unborn child.

#### **bronopol (INN):**

No data available

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1)):

No data available

#### **2-octyl-2H-isothiazole-3-one (OIT):**

No data available

### **STOT - single exposure**

No data available

# SAFETY DATA SHEET

## SikaTherm®-4208 White



Version  
1.0

Revision Date:  
15.02.2024

SDS Number (Internal):  
100000055931

Date of last issue: -  
Date of first issue: 15.02.2024

---

### **STOT - repeated exposure**

No data available

### **Repeated dose toxicity**

No data available

### **Aspiration toxicity**

No data available

### **Experience with human exposure**

No data available

### **Toxicology, Metabolism, Distribution**

No data available

### **Neurological effects**

No data available

### **Further information**

No data available

---

## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

#### **Components:**

#### **bronopol (INN):**

M-Factor (Acute aquatic toxicity) : 10

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1)):

M-Factor (Acute aquatic toxicity) : 100

M-Factor (Chronic aquatic toxicity) : 100

#### **2-octyl-2H-isothiazole-3-one (OIT):**

M-Factor (Acute aquatic toxicity) : 100

### **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

---

# SAFETY DATA SHEET

## SikaTherm®-4208 White



Version 1.0	Revision Date: 15.02.2024	SDS Number (Internal): 100000055931	Date of last issue: - Date of first issue: 15.02.2024
----------------	------------------------------	--	--

mation unprofessional handling or disposal.

---

### 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

#### Disposal precautions

Dispose of contents and container according to wastes control act.

---

### 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable

##### IATA-DGR

UN/ID No. : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Packing instruction (cargo aircraft) : Not applicable  
Packing instruction (passenger aircraft) : Not applicable

##### IMDG-Code

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
EmS Code : Not applicable  
Marine pollutant : Not applicable

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

Not applicable for product as supplied.

#### National Regulations

Refer to section 15 for specific national regulation.

# SAFETY DATA SHEET

## SikaTherm®-4208 White



Version  
1.0

Revision Date:  
15.02.2024

SDS Number (Internal):  
100000055931

Date of last issue: -  
Date of first issue: 15.02.2024

### Special precautions for user

Not applicable

## 15. REGULATORY INFORMATION

### National regulatory information

#### Regulation under the Occupational Safety and Health Act

#### Harmful Substances Prohibited from Manufacturing

Not applicable

#### Harmful Substances Required Permission for Manufacture

Not applicable

#### Harmful Agents to be kept below Occupational Exposure Limits

Chemical name	CAS-No.
Titanium dioxide	13463-67-7
5-Chloro-2-methyl-3(2H)-isothiazolone, mixt. with 2-methyl-3(2H)-isothiazolone	55965-84-9

#### Harmful Agents Required to be kept below Permission Levels

Not applicable

#### Hazardous substances requiring management

Not applicable

#### Special Management Materials

Not applicable

#### Controlled Substances Subject to Environment Monitoring

Not applicable

#### Controlled Substances Subject to Health Examination

Not applicable

#### Hazardous Substances Subject to Process Safety Management (PSM) Reporting Obligation Regulation under the Chemicals Control Act

#### Toxic Chemicals

Not applicable

#### Restricted Chemicals

Not applicable

#### Prohibited Chemicals

Not applicable

#### Toxic Release Inventory

Not applicable

#### Accident Precaution Chemicals

Not applicable

#### Dangerous Substances Safety Management Act

Not Applicable to Dangerous Materials

# SAFETY DATA SHEET

## SikaTherm®-4208 White



Version  
1.0

Revision Date:  
15.02.2024

SDS Number (Internal):  
100000055931

Date of last issue: -  
Date of first issue: 15.02.2024

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

### 라. Wastes Control Act

Industrial general wastes  
Follow article 13 of the act to dispose the product waste

### 마. Other requirements in domestic and other countries

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

ENCS : Not in compliance with the inventory  
ISHL : Not in compliance with the inventory  
KECI : Not in compliance with the inventory

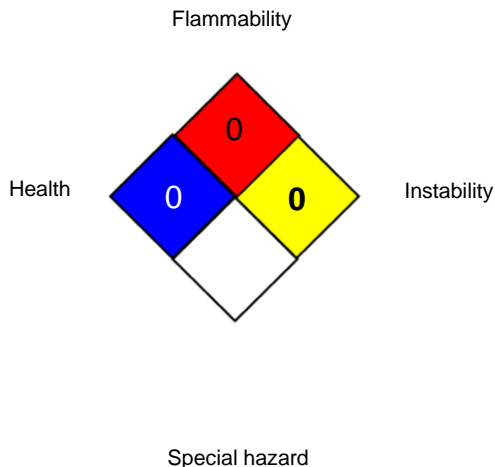
## 16. OTHER INFORMATION

Issuing date : 15.02.2024

### Revision number and date

Number of Revision : 1.0  
Revision Date : 15.02.2024  
Date format : yyyy/mm/dd

### NFPA:



### Full text of other abbreviations

KR OEL : Harmful Agents to be kept below Occupational Exposure Limits

KR OEL / TWA : Time Weighted Average

# SAFETY DATA SHEET

## SikaTherm®-4208 White



Version 1.0	Revision Date: 15.02.2024	SDS Number (Internal): 100000055931	Date of last issue: - Date of first issue: 15.02.2024
----------------	------------------------------	--	--

---

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

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.

KR / EN