

# SAFETY DATA SHEET

## Sikaflex-265



Version  
3.1

Revision Date:  
22.11.2024

SDS Number (Internal):  
000000609439

Date of last issue: 22.08.2023  
Date of first issue: 22.12.2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Sikaflex-265

#### 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

Not applicable

#### GHS label elements

Hazard pictograms : Not applicable

Signal word : Not applicable

Hazard statements : Not applicable

Precautionary statements : Not applicable

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

No data available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Components

Chemical name	Common Name	CAS-No.	Concentration (% w/w)

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4,4'-methylenediphenyl diisocyanate	4,4'-methylenediphenyl diisocyanate	101-68-8	$\geq 0.1 - < 1$
2-ethyl-2-[[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate	2-ethyl-2-[[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate	15625-89-5	$\geq 0.025 - < 0.25$

### 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 symptoms persist, call a physician.
- If inhaled : Move to fresh air.  
Consult a physician after significant exposure.
- 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.

### 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.

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### 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 : Do not get in eyes, on skin, or on clothing.  
For personal protection see section 8.  
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.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
4,4'-methylenediphenyl diisocyanate	101-68-8	TWA	0.005 ppm	KR OEL
	Further information: Limited evidence of carcinogenicity in humans or animals, which is not sufficiently convincing to place the substance in Category 1			
		TWA	0.005 ppm	KR PEL
		TWA	0.005 ppm	ACGIH

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

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(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 : 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 : black
- Odour : characteristic
- 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 : ca. 140 °C (284 °F)  
(Method: Cleveland open cup)
- 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
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Vapour pressure : 0.01 hPa

Solubility(ies)  
Water solubility : insoluble

Solubility in other solvents : No data available

Density : ca. 1.19 g/cm<sup>3</sup> (23 °C)

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

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

Explosive properties : No data available

Oxidizing properties : No data available

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### 10. STABILITY AND REACTIVITY

Chemical stability and possibility of hazardous reactions : 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 decomposition if stored and applied as directed.

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### 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : No data available

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### Health hazard information

#### Acute toxicity

#### Components:

##### **4,4'-methylenediphenyl diisocyanate:**

Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50: 1.5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Expert judgement

##### **2-ethyl-2-[[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate:**

Acute oral toxicity : LD50 Oral (Rat): 3,680 - 5,000 mg/kg

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

#### **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**

#### Components:

##### **4,4'-methylenediphenyl diisocyanate:**

Suspected of causing cancer.

##### **2-ethyl-2-[[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate:**

No data available

#### **Germ cell mutagenicity**

#### Components:

##### **4,4'-methylenediphenyl diisocyanate:**

No data available

Genotoxicity in vivo : Species: Bacteria

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Method: OECD Test Guideline 471  
Result: negative

Method: TA98

Method: TA100

Method: TA1535

Method: TA1537

**2-ethyl-2-[[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate:**

No data available

**Reproductive toxicity**

**Components:**

**4,4'-methylenediphenyl diisocyanate:**

No data available

**2-ethyl-2-[[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate:**

No data available

**STOT - single exposure**

No data available

**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

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### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

##### Components:

##### **2-ethyl-2-[[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate:**

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 0.87 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

M-Factor (Acute aquatic tox- : 1  
icity)

M-Factor (Chronic aquatic : 1  
toxicity)

#### **Persistence and degradability**

No data available

#### **Bioaccumulative potential**

No data available

#### **Mobility in soil**

No data available

#### **Other adverse effects**

##### Product:

Additional ecological infor- : An environmental hazard cannot be excluded in the event of  
mation unprofessional handling or disposal.

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### 13. DISPOSAL CONSIDERATIONS

#### **Disposal methods**

Waste from residues : Send to a licensed waste management company.

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.

#### **Disposal precautions**

Dispose of contents and container according to wastes control act.

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### 14. TRANSPORT INFORMATION

#### **International Regulations**

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### UNRTDG

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Environmentally hazardous : no

### 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 : no

### 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.

### Special precautions for user

Not applicable

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## 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

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Chemical name	CAS-No.
Carbon black	1333-86-4
Methylene bisphenyl isocyanate	101-68-8

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

Chemical name	CAS-No.
Methylene bis(phenyl isocyanate)	101-68-8

### 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

### 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

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

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KECI : Not in compliance with the inventory

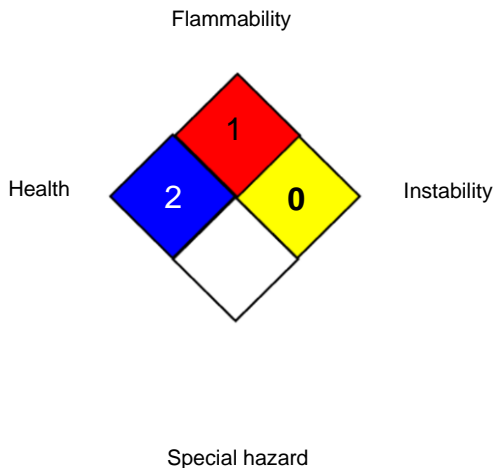
### 16. OTHER INFORMATION

Issuing date : 22.12.2015

#### Revision number and date

Number of Revision : 3.1  
Revision Date : 22.11.2024  
Date format : yyyy/mm/dd

#### NFPA:



#### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
KR OEL : Harmful Agents to be kept below Occupational Exposure Limits  
KR PEL : Harmful Agents Required to be kept below Permission Levels  
ACGIH / TWA : 8-hour, time-weighted average  
KR OEL / TWA : Time Weighted Average  
KR PEL / TWA : TWA  
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)

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MARPOL : period)  
: 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

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KR / EN