

# SAFETY DATA SHEET

## SikaMelt®-280 FR



Version  
3.0

Revision Date:  
09.12.2025

SDS Number (Internal):  
100000029600

Date of last issue: 24.10.2023  
Date of first issue: 25.05.2021

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### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : SikaMelt®-280 FR

#### 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

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### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Skin corrosion/irritation : Category 2

Serious eye damage/eye irritation : Category 2

Long-term (chronic) aquatic hazard : Category 3

#### GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
P264 Wash skin thoroughly after handling.

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P273 Avoid release to the environment.

P280 Wear protective gloves/ eye protection/ face protection.

### Response:

P302 + P352 IF ON SKIN: Wash with plenty of water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see supplemental first aid instructions on this label).

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

### 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

Substance / Mixture : Mixture

### Components

Chemical name	Common Name	CAS-No.	Concentration (% w/w)
Polybutylene	Polybutylene	9003-29-6	$\geq 5 - < 10$
tris(2-ethylhexyl) phosphate	tris(2-ethylhexyl) phosphate	78-42-2	$\geq 1 - < 5$
Phenol, 2,4-bis[(dodecylthio)methyl]-6-methyl-	Phenol, 2,4-bis[(dodecylthio)methyl]-6-methyl-	110675-26-8	$\geq 0.25 - < 1$

## 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.

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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. Causes skin irritation. Causes serious eye irritation.
Notes to physician	:	Treat symptomatically.

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### 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.

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### 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

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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.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Contains no substances with 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 : Even at normal processing temperatures it may occur that hot melts form vapours, which often have an unpleasant odour. If the recommended processing temperatures are exceeded over a fairly long period, additionally the formation of hazardous organic decomposition products is possible. It is recommended to remove such vapours e.g. by using an efficient exhauster.  
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 : When handling hot material, wear heat-resistant protective gloves that are able to withstand the temperature of molten product.  
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.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance : solid  
Colour : yellow  
Odour : pine  
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 : > 200 °C (392 °F)  
(Method: closed 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

Vapour pressure : 0.01 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 : Not applicable

Viscosity, kinematic : Not applicable

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 hazardous decomposition products are known.

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### 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : No data available

#### Health hazard information

##### Acute toxicity

No data available

##### Skin corrosion/irritation

Causes skin irritation.

##### Serious eye damage/eye irritation

Causes serious eye irritation.

##### Respiratory or skin sensitisation

##### Respiratory sensitisation

No data available

##### Skin sensitisation

No data available

##### Carcinogenicity

No data available

##### Components:

##### Polybutylene:

No data available

##### tris(2-ethylhexyl) phosphate:

No data available

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**Phenol, 2,4-bis[(dodecylthio)methyl]-6-methyl-:**

No data available

**Germ cell mutagenicity**

No data available

**Components:**

**Polybutylene:**

No data available

**tris(2-ethylhexyl) phosphate:**

No data available

**Phenol, 2,4-bis[(dodecylthio)methyl]-6-methyl-:**

No data available

**Reproductive toxicity**

No data available

**Components:**

**Polybutylene:**

No data available

**tris(2-ethylhexyl) phosphate:**

No data available

**Phenol, 2,4-bis[(dodecylthio)methyl]-6-methyl-:**

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

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### Neurological effects

No data available

### Further information

No data available

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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

No data available

### Persistence and degradability

No data available

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

#### Product:

Additional ecological information : There is no data available for this product.

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## 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.

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## 14. TRANSPORT INFORMATION

### International Regulations

#### UNRTDG

Not regulated as a dangerous good

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

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Not regulated as a dangerous good  
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

Not regulated as a dangerous good  
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

Not applicable

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

Not applicable

#### Hazardous substances requiring management

Not applicable

#### Special Management Materials

Not applicable

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### 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

Not applicable

### K-OSHA Hazardous Substances (Occupational Safety and Health Regulations, Table 1)

|| Not applicable

### K-OSHA Hazardous Substances (Occupational Safety and Health Regulations, Table 9)

|| 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

Classification : Group 4, Flammable liquids, Type 4 petroleum

Hazard rank : Hazardous rank III

Designated Quantity : 6000 litre

Safety Warning : Keep away from fire

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

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

|| ISHL : Not in compliance with the inventory

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**II**

KECI

: On the inventory, or in compliance with the inventory

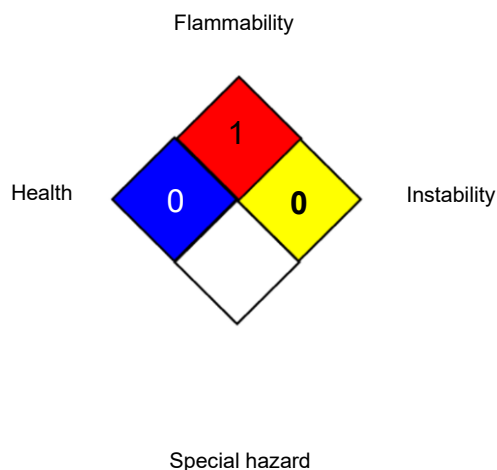
### 16. OTHER INFORMATION

Issuing date : 25.05.2021

#### Revision number and date

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Date format : yyyy/mm/dd

#### NFPA:



#### Full text of other abbreviations

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

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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