

SAFETY DATA SHEET

SikaReinforcer®-940 Pellets



Version
5.0

Revision Date:
05.01.2026

SDS Number (Internal):
000000608335

Date of last issue: 15.11.2024
Date of first issue: 16.10.2017

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : SikaReinforcer®-940 Pellets

Recommended use of the chemical and restrictions on use

Product use : Baffle / Reinforcer

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

Skin corrosion/irritation : Category 2

Serious eye damage/eye irritation : Category 2

Skin sensitisation : Category 1

Long-term (chronic) aquatic hazard : Category 3

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

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Precautionary statements

:

Prevention:

P261 Avoid breathing 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/ 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).
P333 + P313 If skin irritation or rash 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)
glass, oxide, chemicals	glass, oxide, chemicals	65997-17-3	>= 20 - < 25
reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight 700 - 1100)	reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight 700 - 1100)	25068-38-6	>= 20 - < 25
Limestone	Limestone	1317-65-3	>= 5 - < 10
epoxy phenol novolac resin	epoxy phenol	28064-14-4	>= 1 - < 5

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	novolac resin		
Polyethylene	Polyethylene	9002-88-4	>= 1 - < 5
amorphous silicon dioxide	amorphous silicon dioxide	67762-90-7	>= 1 - < 5
modified epoxy resin, polymer	modified epoxy resin, polymer	68610-73-1	>= 1 - < 2.5
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	>= 1 - < 5
cyanoguanidine	cyanoguanidine	461-58-5	>= 1 - < 5
silicon dioxide	silicon dioxide	7631-86-9	< 1
Quartz RCS (respirable crystalline silica)	Quartz RCS (respirable crystalline silica)	14808-60-7	< 0.1

4. FIRST AID MEASURES

- General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
- In case of eye contact : Remove contact lenses.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- 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.
Obtain medical attention.
- Most important symptoms and effects, both acute and delayed : sensitising effects
Allergic reactions
See Section 11 for more detailed information on health effects and symptoms.
Causes skin irritation.
May cause an allergic skin reaction.
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.

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 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

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

Sika 03 : Do not breathe vapours/dust.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.

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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 (Dust)	5 mg/m ³	KR OEL
		TWA (fibres)	1 fibres per cubic centimeter	ACGIH
		TWA (fibres)	1 fibres per cubic centimeter	ACGIH
Limestone	1317-65-3	TWA	10 mg/m ³	KR OEL
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	TWA	6 mg/m ³	KR OEL
		TWA (Respirable fraction)	3 mg/m ³	KR OEL
		TWA (Respirable fraction)	2 mg/m ³	KR OEL
		TWA (Respirable particulate matter)	2 mg/m ³	ACGIH
silicon dioxide	7631-86-9	TWA	10 mg/m ³	KR OEL
Quartz RCS (respirable crystalline silica)	14808-60-7	TWA (Respirable fraction)	0.05 mg/m ³	KR OEL
	Further information: Sufficient evidence of carcinogenicity in humans			
		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

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

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Occupational exposure limits of decomposition products

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
isobutane	75-28-5	TWA	800 ppm	KR OEL
		STEL	1,000 ppm	ACGIH

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 : 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 : pellets
- Colour : various
- Odour : odourless
- Odour Threshold : No data available
- pH : Not applicable substance/mixture is non-soluble (in water)
- Melting point/ range / Freezing point : No data available
- Boiling point/boiling range : No data available

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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 : No data available

Solubility(ies)

Water solubility : insoluble

Solubility in other solvents : No data available

Density : Not applicable

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

Auto-ignition temperature : Not applicable

Decomposition temperature : No data available

Viscosity

Viscosity, dynamic : Not applicable

Viscosity, kinematic : Not applicable

Explosive properties : No data available

Oxidizing properties : No data available

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

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Hazardous decomposition : isobutane products

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : No data available

Health hazard information

Acute toxicity

No data available

Components:

epoxy phenol novolac resin:

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

amorphous silicon dioxide:

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

cyanoguanidine:

Acute oral toxicity : LD50 Oral (Rat): > 5,001 mg/kg

Acute dermal toxicity : LD50 Dermal (Rat): > 2,001 mg/kg

silicon dioxide:

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

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

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

May cause an allergic skin reaction.

Carcinogenicity

No data available

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Components:

glass, oxide, chemicals:

No data available

reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight 700 - 1100):

No data available

Limestone:

No data available

epoxy phenol novolac resin:

No data available

Polyethylene:

No data available

amorphous silicon dioxide:

No data available

modified epoxy resin, polymer:

No data available

Talc ($Mg_3H_2(SiO_3)_4$):

No data available

cyanoguanidine:

No data available

silicon dioxide:

No data available

Quartz RCS (respirable crystalline silica):

May cause cancer.

Germ cell mutagenicity

No data available

Components:

glass, oxide, chemicals:

No data available

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reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight 700 - 1100):

No data available

Limestone:

No data available

epoxy phenol novolac resin:

No data available

Polyethylene:

No data available

amorphous silicon dioxide:

No data available

modified epoxy resin, polymer:

No data available

Talc ($Mg_3H_2(SiO_3)_4$):

No data available

cyanoguanidine:

No data available

silicon dioxide:

No data available

Quartz RCS (respirable crystalline silica):

No data available

Reproductive toxicity

No data available

Components:

glass, oxide, chemicals:

No data available

reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight 700 - 1100):

No data available

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Limestone:

No data available

epoxy phenol novolac resin:

No data available

Polyethylene:

No data available

amorphous silicon dioxide:

No data available

modified epoxy resin, polymer:

No data available

Talc (Mg₃H₂(SiO₃)₄):

No data available

cyanoguanidine:

No data available

silicon dioxide:

No data available

Quartz RCS (respirable crystalline silica):

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

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Further information

No data available

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 : 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.

Disposal precautions

Dispose of contents and container according to wastes control act.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good
UN number : Not applicable

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

IATA-DGR

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

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.
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Fibrous glass	65997-17-3
Limestone	1317-65-3
Soapstone	14807-96-6
Talc (Containing no asbestos fibers)	
Diatomaceous earth	7631-86-9
Silica (Crystalline quartz)	14808-60-7

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

Chemical name	CAS-No.	Threshold limits (%)
Glass fibers	65997-17-3	
Silica	14808-60-7	

Controlled Substances Subject to Health Examination

Chemical name	CAS-No.	Threshold limits (%)
Glass fiber dusts	65997-17-3	
Mineral dusts	14807-96-6	
Mineral dusts	7631-86-9	

Hazardous Substances Subject to Process Safety Management (PSM) Reporting Obligation

Not applicable

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

Category
Acute toxic substances (dermal)

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

Category	Manufacturing or handling quantity
Acute toxic substances (dermal)	100 kilogram

Regulation under the Chemicals Control Act

Toxic Chemicals

Not applicable

Restricted Chemicals

Not applicable

Prohibited Chemicals

Not applicable

Toxic Release Inventory

Chemical name	CAS-No.	Group	Threshold limits (%)
4,4'-(1-Methylethylidene)bisphenol polymer with (chloromethyl)oxirane	25068-38-6	Group II	>= 1 %
4,4'-(1-Methylethylidene)bisphenol polymer	25068-38-6	Group II	>= 1 %

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| with (chloromethyl)oxirane | | | |

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

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

16. OTHER INFORMATION

Issuing date : 16.10.2017

Revision number and date

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Date format : yyyy/mm/dd

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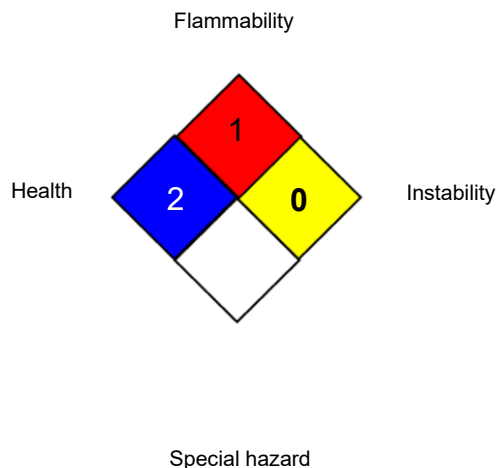
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NFPA:



Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
KR OEL : Harmful Agents to be kept below Occupational Exposure Limits

ACGIH / TWA : 8-hour, time-weighted average
ACGIH / STEL : Short-term exposure limit
KR OEL / TWA : 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 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
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

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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