

SAFETY DATA SHEET

Sikalastic®-692R Grey



Version
4.0

Revision Date:
25.06.2024

SDS Number (Internal):
100000016801

Date of last issue: 01.08.2022
Date of first issue: 30.08.2017

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Sikalastic®-692R Grey

Recommended use of the chemical and restrictions on use

Product use : Liquid applied membranes, For professional users only.

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

Flammable liquids : Category 4

Serious eye damage/eye irritation : Category 1

Germ cell mutagenicity : Category 1B

Carcinogenicity : Category 2

Specific target organ toxicity - repeated exposure (Inhalation) : Category 2 (Lungs)

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H227 Combustible liquid.

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Precautionary statements

H318 Causes serious eye damage.
H340 May cause genetic defects.
H351 Suspected of causing cancer.
H373 May cause damage to organs (Lungs) through prolonged or repeated exposure if inhaled.

Prevention:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 Do not breathe mist or vapours.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

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.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403 Store in a well-ventilated place.
P405 Store locked up.

Disposal:

P501 Dispose of contents and container according to wastes control act.

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)
polyurethane prepolymer	polyurethane prepolymer	Not Assigned	>= 30 - < 35
2-methoxy-1-methylethyl acetate	2-methoxy-1-methylethyl acetate	108-65-6	>= 5 - < 10
Isophorondiamine-Isobutyraldimine	Isophorondiamine-	54914-37-3	>= 5 - < 10

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	Isobutyral-dimine		
Titanium dioxide (> 10 µm)	Titanium dioxide (> 10 µm)	13463-67-7	>= 1 - < 5
amorphous silicon dioxide	amorphous silicon dioxide	67762-90-7	>= 1 - < 5
bis(2-ethylhexyl) phthalate	bis(2-ethylhexyl) phthalate	117-81-7	>= 0.1 - < 0.3
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7	>= 0.025 - < 0.25
Naphtha (petroleum), heavy alkylate; Low boiling point modified naphtha	Naphtha (petroleum), heavy alkylate; Low boiling point modified naphtha	64741-65-7	>= 0.1 - < 0.25
salicylic acid	salicylic acid	69-72-7	0 - < 1
1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich	1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich	68515-49-1	>= 10 - < 15

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 : 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.
- 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.
- If inhaled : Move to fresh air.
Consult a physician after significant exposure.

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- 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 : Suspected of damaging fertility or the unborn child.
Health injuries may be delayed.
corrosive effects
sensitising effects
Allergic reactions
Dermatitis
See Section 11 for more detailed information on health effects and symptoms.
Causes serious eye damage.
May cause genetic defects.
Suspected of causing cancer.
May cause damage to organs through prolonged or repeated exposure if inhaled.
- Notes to physician : Treat symptomatically.
-

5. FIREFIGHTING MEASURES

Suitable and unsuitable extinguishing media

- Suitable extinguishing media : Carbon dioxide (CO₂)
- Unsuitable extinguishing media : Water
- 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 : Soak up with inert absorbent material (e.g. sand, silica gel,
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containment and cleaning up : acid binder, universal binder, sawdust).
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
- Conditions for safe storage : Store in original container.
Keep in a well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
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
Titanium dioxide (> 10 µm)	13463-67-7	TWA	10 mg/m ³	KR OEL
	Further information: Limited evidence of carcinogenicity in humans or animals, which is not sufficiently convincing to place the substance in Category 1			
bis(2-ethylhexyl) phthalate	117-81-7	TWA	5 mg/m ³	KR OEL
	Further information: Limited evidence of carcinogenicity in humans or animals, which is not sufficiently convincing to place the substance in Category 1, Presumed human reproductive toxicant			
		STEL	10 mg/m ³	KR OEL
		TWA	0.1 mg/m ³	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

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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 : liquid
- Colour : various
- Odour : slight
- 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. 63 °C (145 °F)
(Method: closed cup)
- Evaporation rate : No data available
- Flammability (solid, gas) : No data available

Upper/lower flammability or explosive limits

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Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	3.1 hPa
Solubility(ies)	:	
Water solubility	:	No data available
Solubility in other solvents	:	No data available
Density	:	ca. 1.4 g/cm ³ (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. 4,200 mPa.s (25 °C (77 °F))
Viscosity, kinematic	:	> 20.5 mm ² /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	:	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.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	:	No data available
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Health hazard information

Acute toxicity

Not classified based on available information.

Components:

2-methoxy-1-methylethyl acetate:

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

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

Isophorondiamine-Isobutyraldimine:

Acute oral toxicity : LD50 Oral (Rat): 4,150 mg/kg

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

amorphous silicon dioxide:

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

salicylic acid:

Acute oral toxicity : LD50 Oral (Rat): 891 mg/kg

Acute dermal toxicity : LD50 Dermal (Rat): > 2,000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Components:

Naphtha (petroleum), heavy alkylate; Low boiling point modified naphtha:

Assessment : Repeated exposure may cause skin dryness or cracking.

Result : Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Not classified based on available information.

Causes serious eye damage.

Respiratory or skin sensitisation

Respiratory sensitisation

Not classified based on available information.

Skin sensitisation

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Suspected of causing cancer.

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Components:

polyurethane prepolymer:

No data available

2-methoxy-1-methylethyl acetate:

No data available

Isophorondiamine-Isobutyraldimine:

No data available

Titanium dioxide (> 10 µm):

Suspected of causing cancer.

amorphous silicon dioxide:

No data available

bis(2-ethylhexyl) phthalate:

Suspected of causing cancer.

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate:

No data available

Naphtha (petroleum), heavy alkylate; Low boiling point modified naphtha:

No data available

salicylic acid:

No data available

1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich:

No data available

Germ cell mutagenicity

Not classified based on available information.
May cause genetic defects.

Components:

polyurethane prepolymer:

No data available

2-methoxy-1-methylethyl acetate:

No data available

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Isophorondiamine-Isobutyraldimine:

No data available

Titanium dioxide (> 10 µm):

No data available

amorphous silicon dioxide:

No data available

bis(2-ethylhexyl) phthalate:

No data available

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate:

No data available

Naphtha (petroleum), heavy alkylate; Low boiling point modified naphtha:

No data available

salicylic acid:

No data available

1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich:

No data available

Reproductive toxicity

Not classified based on available information.

Components:

polyurethane prepolymer:

No data available

2-methoxy-1-methylethyl acetate:

No data available

Isophorondiamine-Isobutyraldimine:

No data available

Titanium dioxide (> 10 µm):

No data available

amorphous silicon dioxide:

No data available

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bis(2-ethylhexyl) phthalate:

May damage fertility or the unborn child.

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate:

No data available

Naphtha (petroleum), heavy alkylate; Low boiling point modified naphtha:

No data available

salicylic acid:

Suspected of damaging fertility or the unborn child.

1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich:

Suspected of damaging fertility or the unborn child.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

May cause damage to organs (Lungs) through prolonged or repeated exposure if inhaled.

Repeated dose toxicity

No data available

Aspiration toxicity

Not classified based on available information.

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

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

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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.

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.

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
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

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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.
Limestone	1317-65-3
Titanium dioxide	13463-67-7
Di(2-ethylhexyl)phthalate	117-81-7

Harmful Agents Required to be kept below Permission Levels

Not applicable

Hazardous substances requiring management

Chemical name	CAS-No.	Threshold limits (%)
Titanium dioxide	13463-67-7	>= 1 %

Special Management Materials

Not applicable

Controlled Substances Subject to Environment Monitoring

Chemical name	CAS-No.	Threshold limits (%)
Titanium dioxide	13463-67-7	>= 1 %

Controlled Substances Subject to Health Examination

Not applicable

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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 (%)
Di(2-ethylhexyl) phthalate	117-81-7	Group II	>= 0.1 %

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 : Not in compliance with the inventory

16. OTHER INFORMATION

Issuing date : 30.08.2017

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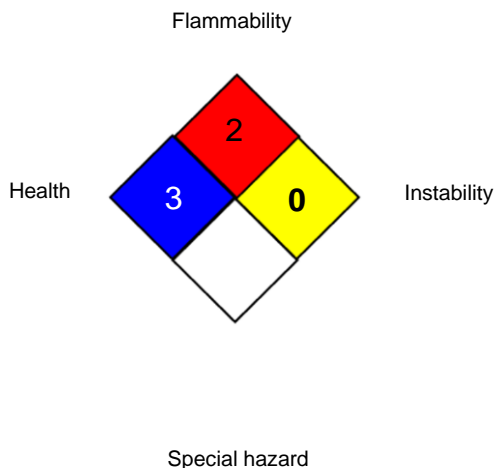
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NFPA:



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
KR OEL / TWA	:	Time Weighted Average
KR OEL / STEL	:	Short Term Exposure Limit
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
vPvB	:	Very persistent and very bioaccumulative

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KR / EN