

# SAFETY DATA SHEET

## SikaGard®-6470



Version  
3.0

Revision Date:  
23.01.2025

SDS Number:  
100000001266

Date of last issue: 11.09.2021  
Date of first issue: 03.10.2016

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : SikaGard®-6470

#### Manufacturer or supplier's details

Company : Sika Australia Pty. Ltd.  
55 Elizabeth Street  
Wetherill Park, NSW 2164

Telephone : +61 2 9725 11 45

Emergency telephone number : +61 1800 033 111

Telefax : +61 2 9725 33 30

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

Product use : Surfaces protection

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Flammable liquids : Category 2

Skin corrosion/irritation : Category 2

Specific target organ toxicity - single exposure : Category 3 (Central nervous system)

Short-term (acute) aquatic hazard : Category 3

Long-term (chronic) aquatic hazard : Category 2

#### GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.  
H315 Causes skin irritation.  
H336 May cause drowsiness or dizziness.  
H402 Harmful to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.

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Precautionary statements

:

### Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.  
P240 Ground and bond container and receiving equipment.  
P241 Use explosion-proof electrical/ ventilating/ lighting equipment.  
P242 Use non-sparking tools.  
P243 Take action to prevent static discharges.  
P261 Avoid breathing mist or vapours.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

### Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
P391 Collect spillage.

### Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards which do not result in classification

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

| Chemical name                                    | CAS-No.    | Concentration (% w/w) |
|--------------------------------------------------|------------|-----------------------|
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 64742-49-0 | >= 20 -< 25           |

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|                                                                   |            |              |
|-------------------------------------------------------------------|------------|--------------|
| Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics               | 64742-49-0 | >= 2.5 -< 10 |
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane | 64742-49-0 | >= 2.5 -< 10 |
| Hydrocarbons, C9, aromatics                                       | 64742-95-6 | >= 2.5 -< 10 |

### SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.  
Consult a physician after significant exposure.
- 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.
- In case of eye contact : Remove contact lenses.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- 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 : irritant effects  
Dermatitis  
Loss of balance  
Vertigo  
See Section 11 for more detailed information on health effects and symptoms.  
Causes skin irritation.  
May cause drowsiness or dizziness.
- Notes to physician : Treat symptomatically.

### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical
- Unsuitable extinguishing media : Water  
High volume water jet
- Specific hazards during fire-fighting : Do not use a solid water stream as it may scatter and spread fire.  
Do not allow run-off from fire fighting to enter drains or water

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courses.

- Hazardous combustion products : No hazardous combustion products are known
- Specific extinguishing methods : Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
- Hazchem Code : •3YE

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment. Remove all sources of ignition. Deny access to unprotected persons.
- Environmental precautions : Prevent product from entering drains. If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Use explosion-proof equipment. Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. Take precautionary measures against electrostatic discharges.
- Advice on safe handling : Do not breathe vapours or spray mist. 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. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharge. Open drum carefully as content may be under pressure. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).

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Follow standard hygiene measures when handling chemical products

- 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.
- Conditions for safe storage : Store in original container.  
Store in cool place.  
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.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

| Components                                                        | CAS-No.    | Value type<br>(Form of exposure) | Control parameters / Permissible concentration | Basis  |
|-------------------------------------------------------------------|------------|----------------------------------|------------------------------------------------|--------|
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics                  | 64742-49-0 | TWA                              | 900 mg/m3                                      | AU OEL |
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane | 64742-49-0 | TWA                              | 900 mg/m3                                      | AU OEL |
| Hydrocarbons, C9, aromatics                                       | 64742-95-6 | TWA                              | 900 mg/m3                                      | AU OEL |

- Appropriate engineering controls** : Use adequate ventilation and/or engineering controls to prevent exposure to vapours.  
Avoid vapor formation.  
Provide appropriate exhaust ventilation at places where vapor is formed.

#### Personal protective equipment

- Respiratory protection : In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.  
organic vapor filter (Type A)
- 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.  
Follow AS/NZS 1337.1  
Recommended: Butyl rubber/nitrile rubber gloves.  
Contaminated gloves should be removed.
- Eye protection : Safety glasses

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Skin and body protection : Protective clothing (e.g. safety shoes, long-sleeved working clothing, long trousers)  
Follow AS 2210:3  
Protective clothing needs to be made of cotton.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : various

Odour : solvent-like

Odour Threshold : No data available

pH : not determined substance/mixture is non-polar/aprotic

Melting point/ range / Freezing point : No data available

Boiling point/boiling range : ca. 94 - 99 °C (201 - 210 °F)

Flash point : ca. -9 °C (16 °F)  
(Method: closed cup)

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit / Upper flammability limit : 7.0 %(V)

Lower explosion limit / Lower flammability limit : 0.6 %(V)

Vapour pressure : ca. 60 hPa (20 °C (68 °F))

Relative vapour density : No data available

Density : ca. 1.04 g/cm<sup>3</sup> (20 °C (68 °F))

Solubility(ies)

Water solubility : insoluble

Solubility in other solvents : No data available

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

Auto-ignition temperature : ca. 200 °C (392 °F)

Decomposition temperature : No data available

Viscosity

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|                            |                                                                                                                                                                         |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Viscosity, dynamic         | : ca. 1,300 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                                                                                                                                                     |
| Volatile organic compounds | : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)<br>Volatile organic compounds (VOC) content: 46.5% w/w |

### SECTION 10. STABILITY AND REACTIVITY

|                                    |                                                                                                |
|------------------------------------|------------------------------------------------------------------------------------------------|
| Reactivity                         | : No dangerous reaction known under conditions of normal use.                                  |
| Chemical stability                 | : The product is chemically stable.                                                            |
| Possibility of hazardous reactions | : Stable under recommended storage conditions.<br>Vapours may form explosive mixture with air. |
| Conditions to avoid                | : Heat, flames and sparks.                                                                     |
| Incompatible materials             | : see section 7.                                                                               |
| Hazardous decomposition products   | : No hazardous decomposition products are known.                                               |

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified due to lack of data.

#### Components:

##### Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics:

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

Acute inhalation toxicity : LC50 (Rat): > 23.3 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2,800 mg/kg

##### Hydrocarbons, C9, aromatics:

Acute oral toxicity : LD50 Oral (Rat): > 2,000 mg/kg

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

#### Skin corrosion/irritation

Causes skin irritation.

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### Components:

#### **Hydrocarbons, C9, aromatics:**

Assessment : Repeated exposure may cause skin dryness or cracking.

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

Not classified due to lack of data.

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

##### **Skin sensitisation**

Not classified due to lack of data.

##### **Respiratory sensitisation**

Not classified due to lack of data.

#### **Chronic toxicity**

##### **Germ cell mutagenicity**

Not classified due to lack of data.

##### **Carcinogenicity**

Not classified due to lack of data.

##### **Reproductive toxicity**

Not classified due to lack of data.

##### **STOT - single exposure**

May cause drowsiness or dizziness.

##### **STOT - repeated exposure**

Not classified due to lack of data.

##### **Aspiration toxicity**

Not classified due to lack of data.

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## SECTION 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

#### Components:

##### **Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics:**

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): > 13.4 mg/l  
Exposure time: 96 h

##### **Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane:**

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 12.51 mg/l  
Exposure time: 96 h

##### **Hydrocarbons, C9, aromatics:**

Toxicity to algae/aquatic plants : (Pseudokirchneriella subcapitata (green algae)): 2.6 - 2.9 mg/l  
Exposure time: 72 h



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### 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.  
Toxic to aquatic life with long lasting effects.

## SECTION 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.  
Do not burn, or use a cutting torch on, the empty drum.

## SECTION 14. TRANSPORT INFORMATION

### International Regulations

#### IATA-DGR

UN/ID No. : UN 1139  
Proper shipping name : Coating solution  
Class : 3  
Packing group : II  
Labels : Flammable Liquids  
Packing instruction (cargo aircraft) : 364  
Packing instruction (passenger aircraft) : 353  
Environmentally hazardous : yes

#### IMDG-Code

UN number : UN 1139  
Proper shipping name : COATING SOLUTION

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Class : 3  
Packing group : II  
Labels : 3  
EmS Code : F-E, S-E  
Marine pollutant : yes

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

Not applicable for product as supplied.

### National Regulations

#### ADG

UN number : UN 1139  
Proper shipping name : COATING SOLUTION  
Class : 3  
Packing group : II  
Labels : 3  
Hazchem Code : •3YE  
Environmentally hazardous : yes

### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## SECTION 15. REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture

Therapeutic Goods (Poisons Standard) Instrument : No poison schedule number allocated (Please use the original publication to check for specific uses, specific conditions or threshold limits that might apply for this chemical)

International Chemical Weapons Convention (CWC) : Not applicable  
Schedules of Toxic Chemicals and Precursors  
Prohibition/Licensing Requirements : There is no applicable prohibition, authorisation and restricted use requirements, including for carcinogens referred to in Schedule 10 of the model WHS Act and Regulations.

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

AICS : On the inventory, or in compliance with the inventory  
AIIIC : On the inventory, or in compliance with the inventory

## SECTION 16. OTHER INFORMATION

Revision Date : 23.01.2025  
Date format : dd.mm.yyyy

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### Full text of other abbreviations

|              |                                                                                                                                                                                                                                        |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AU OEL       | : Australia. Workplace Exposure Standards for Airborne Contaminants.                                                                                                                                                                   |
| AU OEL / TWA | : Exposure standard - time weighted average                                                                                                                                                                                            |
| ADG          | : Australian Dangerous Goods Code.                                                                                                                                                                                                     |
| 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                                                                                                                                                                                             |

Safety Data Sheets are updated frequently. Please ensure that you have a current copy. SDS may be obtained from the following website: [aus.sika.com](http://aus.sika.com)

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.



Changes as compared to previous version !

AU / EN