

# SikaGard<sup>®</sup>-6470

Date of last issue: 26.10.2022	Version 5.3	Print Date 12.06.2023
Revision Date: 12.06.2023		

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### **1.1 Product identifier**

Trade name : SikaGard<sup>®</sup>-6470

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Product use : Surfaces protection

#### 1.3 Details of the supplier of the safety data sheet

Company name of supplier	:	Sika Limited Watchmead Welwyn Garden City
		Hertfordshire. AL7 1BQ
Telephone	:	+44 (0)1707 394444
Telefax	:	+44 (0)1707 329129
E-mail address of person responsible for the SDS	:	EHS@uk.sika.com

#### 1.4 Emergency telephone number

National Chemical Emergency Centre (NCEC) 24 Hour Emergency Telephone Number +44 870 190 6777

#### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Labelling (DECULATION (EC) No 4272/20	000)
Label elements	
Specific target organ toxicity - single ex- posure, Category 3, Central nervous system Long-term (chronic) aquatic hazard, Cat- egory 2	H336: May cause drowsiness or dizziness. H411: Toxic to aquatic life with long lasting effects.
Flammable liquids, Category 2 Skin irritation, Category 2	H225: Highly flammable liquid and vapour. H315: Causes skin irritation.

## 2.2 L

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:		
Signal word	:	Danger	•
Hazard statements	:	H225 H315	Highly flammable liquid and vapour. Causes skin irritation.



# SikaGard<sup>®</sup>-6470

Date of last issue: 26.10.2022 Revision Date: 12.06.2023	Version 5.3		Print Date 12.06.2023
	H336 H411	May cause drowsiness or dizzir Toxic to aquatic life with long la	
Precautionary statements :	Prevention:		0
	P210	Keep away from heat, hot surfa open flames and other ignition s smoking.	•
	P233	Keep container tightly closed.	
	P261	Avoid breathing mist or vapours	
	P273	Avoid release to the environme	nt.
	Response:		
	P370 + P378	In case of fire: Use dry sand, dr alcohol-resistant foam to exting	
	P391	Collect spillage.	

#### Hazardous components which must be listed on the label:

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

## Components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics Contains: cyclohexane >= 2 %	Not Assigned 927-510-4 01-2119475515-33- XXXX [corresponding group CAS 64742-49- 0]	Flam. Liq. 2; H225 Skin Irrit. 2; H315 STOT SE 3; H336 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	>= 20 - < 25



eate of last issue: 26.10.2022 Revision Date: 12.06.2023	Version 5.3	3	Print Date 12.06.2023
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	Not Assigned 920-750-0 01-2119473851-33- XXXX [corresponding group CAS 64742-49- 0]	Flam. Liq. 2; H225 STOT SE 3; H336 (Central nervous system) Asp. Tox. 1; H304 Aquatic Chronic 2; H411 EUH066	>= 5 - < 10
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n- hexane	Not Assigned 921-024-6 01-2119475514-35- XXXX	Flam. Liq. 2; H225 Skin Irrit. 2; H315 STOT SE 3; H336 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	>= 5 - < 10
Hydrocarbons, C9, aromatics	Not Assigned 918-668-5 01-2119455851-35- XXXX [corresponding group CAS 64742-95- 6]	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system) STOT SE 3; H335 (Respiratory system) Asp. Tox. 1; H304 Aquatic Chronic 2; H411 EUH066	>= 5 - < 10

For explanation of abbreviations see section 16.

## **SECTION 4: First aid measures**

#### 4.1 Description of 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	:	Do not induce vomiting without medical advice. Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.



Date of last issue: 26.10.2022	Version 5.3	Print Date 12.06.2023
Revision Date: 12.06.2023		

## 4.2 Most important symptoms and effects, both acute and delayed

Symptoms	: Erythema Dermatitis Loss of balance Vertigo See Section 11 for more detailed information on health effects and symptoms.
Risks	: irritant effects
	Causes skin irritation. May cause drowsiness or dizziness.
4.3 Indication of any immediate n	nedical attention and special treatment needed
Treatment	: Treat symptomatically.

## **SECTION 5: Firefighting measures**

5.1	Extinguishing media		
	Suitable extinguishing media	:	Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
	Unsuitable extinguishing media	:	Water High volume water jet
5.2	Special hazards arising from	the	substance or mixture
	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 courses.
	Hazardous combustion prod- ucts	:	No hazardous combustion products are known
5.3	Advice for firefighters		
	Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.
	Further information	:	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.



Date of last issue: 26.10.2022 Revision Date: 12.06.2023	Version 5.3	Print Date 12.06.2023

## **SECTION 6: Accidental release measures**

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use personal protective equipment.
		Remove all sources of ignition.
		Deny access to unprotected persons.
		Beware of vapours accumulating to form explosive concentra-
		tions. Vapours can accumulate in low areas.

#### 6.2 Environmental precautions

Environmental precautions	:	Prevent product from entering drains.
		If the product contaminates rivers and lakes or drains inform respective authorities.

#### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up	:	Contain spillage, and then collect with non-combustible ab-
		sorbent material, (e.g. sand, earth, diatomaceous earth, ver-
		miculite) and place in container for disposal according to local
		/ national regulations (see section 13).

## 6.4 Reference to other sections

For personal protection see section 8.

## **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

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 ap- plication 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). Follow standard hygiene measures when handling chemical products
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.
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not



Date of last issue: 26.10.2022 Revision Date: 12.06.2023		Version 5.3	Print Date 12.06.2023
		smoke. Wash hands before breaks and at the er	nd of workday.
7.2 Conditions for safe storage, in	nc	luding any incompatibilities	
Requirements for storage areas and containers	:	Store in cool place. Containers which are opened carefully resealed and kept upright to prevent lead in accordance with local regulations.	
Further information on stor- age stability	:	No decomposition if stored and applied as direct	ed.
7.3 Specific end use(s)			
Specific use(s)	:	Consult most current local Product Data Sheet p use.	rior to any

## **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters *	Basis *
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Contains no substances with occupational exposure limit values.

#### 8.2 Exposure controls

#### Engineering measures

Maintain air concentrations below occupational exposure standards. Ensure adequate ventilation, especially in confined areas.

Personal protective equipm	ent
Eye/face protection	: Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water
Hand protection	<ul> <li>Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.</li> </ul>
	Suitable for short time use or protection against splashes: Butyl rubber/nitrile rubber gloves (> 0,1 mm) Contaminated gloves should be removed. Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min.
Skin and body protection	: Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing and stirring work.
Respiratory protection	<ul> <li>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 work- ing limits of the selected respirator. organic vapor (Type A) and particulate filter</li> </ul>



Date of last issue: 26.10.2022 Revision Date: 12.06.2023	Version 5.3	Print Date 12.06.2023
	A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 P1: Inert material; P2, P3: hazardous substance Ensure adequate ventilation. This can be achie exhaust extraction or by general ventilation. (EN ods for determining inhalation exposure). This a ticular to the mixing / stirring area. In case this is to keep the concentrations under the occupatio limits then respiration protection measures must	ved by local ved by local N 689 - Meth- applies in par- s not sufficent nal exposure
Environmental exposure contr	ols	
General advice :	Prevent product from entering drains. If the product contaminates rivers and lakes or respective authorities.	drains inform

## **SECTION 9: Physical and chemical properties**

#### 9.1 Information on basic physical and chemical properties

Physical state Colour Odour		liquid various solvent-like
Melting point/range / Freezing point	:	No data available
Boiling point/boiling range	:	ca. 94 - 99 °C
Flammability (solid, gas)	:	No data available
Upper/lower flammability or	exp	losive limits
Upper explosion limit / Up- per flammability limit	•	
Lower explosion limit / Lower flammability limit	:	0,6 %(V)
Flash point	:	ca9 °C Method: closed cup
Auto-ignition temperature	:	ca. 200 °C
Decomposition temperature	:	No data available
рН	:	not determined substance/mixture is non-polar/aprotic
<b>Viscosity</b> Viscosity, dynamic	:	ca. 1.300 mPa.s (20 °C)



Date of last issue: 26.10.2022 Revision Date: 12.06.2023	Version 5.3	Print Date 12.06.2023
Viscosity, kinematic	: > 20,5 mm2/s (40 °C)	
<b>Solubility(ies)</b> Water solubility	: insoluble	
Partition coefficient: n- octanol/water	: No data available	
Vapour pressure	: ca. 60 hPa (20 °C)	
Density	: ca. 1,04 g/cm3 (20 °C)	
Relative vapour density	: No data available	
Particle characteristics	: No data available	
9.2 Other information		
No data available		
SECTION 10: Stability and re	activity	
10.1 Reactivity		
No dangerous reaction knov	n under conditions of normal use.	

## 10.2 Chemical stability

The product is chemically stable.

## 10.3 Possibility of hazardous reactions

Hazardous reactions	:	Stable under recommended storage conditions.
		Vapours may form explosive mixture with air.
<b>10.4 Conditions to avoid</b> Conditions to avoid	:	Heat, flames and sparks.
10.5 Incompatible materials		

# Materials to avoid : No data available

## 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.



Date of last issue: 26.10.2022
Revision Date: 12.06.2023

Version 5.3

Print Date 12.06.2023

## **SECTION 11: Toxicological information**

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Not classified based on available information.

#### **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.

#### **Components:**

#### Hydrocarbons, C9, aromatics:

Assessment

Repeated exposure may cause skin dryness or cracking.

#### Serious eye damage/eye irritation

Not classified based on available information.

2

#### Respiratory or skin sensitisation

#### Skin sensitisation

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified based on available information.

#### Germ cell mutagenicity

Not classified based on available information.

#### Carcinogenicity

Not classified based on available information.

## Reproductive toxicity

Not classified based on available information.



Date of last issue: 26.10.2022
Revision Date: 12.06.2023

Version 5.3

Print Date 12.06.2023

#### STOT - single exposure

May cause drowsiness or dizziness.

#### STOT - repeated exposure

Not classified based on available information.

#### Aspiration toxicity

Not classified based on available information.

2

#### 11.2 Information on other hazards

#### Endocrine disrupting properties

#### Product:

Assessment

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### **SECTION 12: Ecological information**

#### 12.1 Toxicity

Components:

# Hydrocarbons, C9, aromatics:

Toxicity to algae/aquatic<br/>plants:(Pseudokirchneriella subcapitata (green algae)): 2,6 - 2,9<br/>mg/l<br/>Exposure time: 72 h

#### 12.2 Persistence and degradability

No data available

#### 12.3 Bioaccumulative potential

No data available

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

2

#### Product:

Assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..



Date of last issue: 26.10.2022 Revision Date: 12.06.2023	Version 5.3	Print Date 12.06.2023
12.6 Endocrine disrupting propert	ies	
Product:		
Assessment	<ul> <li>The substance/mixture does not contain of ered to have endocrine disrupting propert REACH Article 57(f) or Commission Deley (EU) 2017/2100 or Commission Regulation levels of 0.1% or higher.</li> </ul>	ies according to gated regulation
12.7 Other adverse effects		
Product:		
Additional ecological infor- mation	<ul> <li>An environmental hazard cannot be exclu unprofessional handling or disposal.</li> <li>Toxic to aquatic life with long lasting effect</li> </ul>	
mation		xts.

# **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

<b>J</b> .			
	Product	:	The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed
			waste disposal contractor.
			Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
	European Waste Catalogue	:	08 01 11* waste paint and varnish containing organic sol- vents or other dangerous substances
	Contaminated packaging	:	15 01 10* packaging containing residues of or contaminated by dangerous substances

## **SECTION 14: Transport information**

## 14.1 UN number or ID number

ΙΑΤΑ	:	UN 1139	
	-		
IMDG		UN 1139	
ADR	:	UN 1139	



Date of last issue: 26.10.2022 Revision Date: 12.06.2023		Version 5.3	Print Date 12.06.2023
14.2 UN proper shipping name			
ADR	:	COATING SOLUTION	
IMDG	:	COATING SOLUTION (naphtha (petroleum))	
ΙΑΤΑ	:	Coating solution	
14.3 Transport hazard class(es)			
		Class Subsidiary risks	
ADR	:	3	
IMDG	:	3	
ΙΑΤΑ	:	3	
14.4 Packing group			
<b>ADR</b> Packing group Classification Code Hazard Identification Number Labels Tunnel restriction code Remarks	:	II F1 33 3 (D/E) Transport according to chapter 3.4 (LQ) possible	
<b>IMDG</b> Packing group Labels EmS Code	:	II 3 F-E, <u>S-E</u>	
<b>IATA (Cargo)</b> Packing instruction (cargo aircraft) Packing instruction (LQ) Packing group Labels	:	364 Y341 II Flammable Liquids	
<b>IATA (Passenger)</b> Packing instruction (passen- ger aircraft) Packing instruction (LQ) Packing group Labels	:	353 Y341 II Flammable Liquids	
14.5 Environmental hazards			
<b>ADR</b> Environmentally hazardous	:	yes	
IMDG Marine pollutant	:	yes	
<b>IATA (Passenger)</b> Environmentally hazardous	:	yes	



Date of last issue: 26.10.2022 Revision Date: 12.06.2023 Version 5.3

Print Date 12.06.2023

#### IATA (Cargo)

Environmentally hazardous : yes

#### 14.6 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.

#### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

#### **SECTION 15: Regulatory information**

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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17)	: Not applicable
International Chemical Weapons Convention Schedules of Toxic Chemicals and Precursor	
Regulation (EC) No 1005/2009 on substance plete the ozone layer	s that de- : Not applicable
GB Export and import of hazardous chemical Informed Consent (PIC) Regulation	s - Prior : Not applicable
Control of Major Accident Hazards Regulation 2015 (COMAH)	ns P5c FLAMMABLE LIQUIDS
2013 (COMAT)	E2 ENVIRONMENTAL HAZARDS
(VOCV)	34 Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams),(d) heavy fuel oils (e) alternative fuels serving the same purposes and with similar proper- ties as regards flammability and environmental hazards as the products referred to in points (a) to (d)
	anic compounds (VOC) content: 46,5% w/w 010/75/EU of 24 November 2010 on industrial



Date of last issue: 26.10.2022 Revision Date: 12.06.2023	Version 5.3	Print Date 12.06.2023
	emissions (integrated pollution prevention and Volatile organic compounds (VOC) content: 46	
If other regulatory information a Sheet, then it is described in th	pplies that is not already provided elsewhere in th is subsection.	e Safety Data
Health, safety and environ- mental regulation/legislation specific for the substance or mixture:	<ul> <li>Environmental Protection Act 1990 &amp; Subsidia Health and Safety at Work Act 1974 &amp; Subsidi Control of Substances Hazardous to Health Re (COSHH)</li> <li>May be subject to the Control of Major Accider Regulations (COMAH), and amendments.</li> </ul>	ary Regulations egulations

#### 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

## **SECTION 16: Other information**

Full text of H-Statements H225 H226 H304 H315 H335 H336 H411		Highly flammable liquid and vapour. Flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes skin irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.
Full text of other abbreviation	ons	
Aquatic Chronic Asp. Tox. Flam. Lig.	:	Long-term (chronic) aquatic hazard Aspiration hazard Flammable liquids
Skin Irrit. STOT SE	:	Skin irritation Specific target organ toxicity - single exposure
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
ΙΑΤΑ	:	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



OEL : Oo PBT : Pe	hips, 1973 as modified by the Protocol of ccupational Exposure Limit ersistent, bioaccumulative and toxic	1978
REACH : Re ar	edicted no effect concentration egulation (EC) No 1907/2006 of the Europ id of the Council of 18 December 2006 cc ration, Evaluation, Authorisation and Res ils (REACH), establishing a European Ch	oncerning the Reg- triction of Chemi-
SVHC : Su	ubstances of Very High Concern	0
vPvB : Ve	ery persistent and very bioaccumulative	

# Classification of the mixture:Classification procedure:Flam. Liq. 2H225Based on product data or assessmentSkin Irrit. 2H315Calculation methodSTOT SE 3H336Calculation methodAquatic Chronic 2H411Calculation method

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 !

GB / EN