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

1.1 Product identifier

Trade name : SikaGard®-6220 S

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
Talaabaaa		Hertfordshire. AL7 1BQ
Telephone		+44 (0)1707 394444
Telefax	:	(-)
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)

Aerosols, Category 1	H222: Extremely flammable aerosol. H229: Pressurised container: May burst if heated.
Skin irritation, Category 2	H315: Causes skin irritation.
Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.
Long-term (chronic) aquatic hazard, Cat- egory 2	H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

SAFETY DATA SHEET According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

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Hazard pictograms :		!	
Signal word :	Danger		
Hazard statements :	H222 H229 H315 H336 H411	Extremely flammable aerosol. Pressurised container: May bur Causes skin irritation. May cause drowsiness or dizzir Toxic to aquatic life with long la	iess.
Precautionary statements :	Prevention:		
	P210	Keep away from heat, hot surfa open flames and other ignition s smoking.	
	P211	Do not spray on an open flame tion source.	or other igni-
	P251 P273	Do not pierce or burn, even after Avoid release to the environment	
	Response:		
	P391	Collect spillage.	
	Storage:		
	P410 + P412	Protect from sunlight. Do not ex peratures exceeding 50 °C/ 122	

Hazardous components which must be listed on the label:

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

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.



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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)	
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	>= 25 - < 40	
propane	74-98-6 200-827-9 01-2119486944-21- XXXX	Flam. Gas 1A; H220	>= 10 - < 20	
Hydrocarbons, C9-C11, n- alkanes, isoalkanes, cyclics, <2% aromatics	Not Assigned 919-857-5 01-2119463258-33- XXXX [corresponding group CAS 64742-48- 9]	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system) Asp. Tox. 1; H304	>= 10 - < 20	
isobutane	75-28-5 200-857-2 01-2119485395-27- XXXX	Flam. Gas 1A; H220	>= 2,5 - < 5	
Aromatic hydrocarbons, C9; Al- kylbenzenes; C9-aromatics	128601-23-0 918-668-5 01-2119455851-35- XXXX	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	>= 1 - < 2,5	
Sulfonic acids, petroleum, sodium salts	68608-26-4 271-781-5 01-2119527859-22- XXXX	Eye Irrit. 2; H319	>= 1 - < 2,5	
Substances with a workplace exposure limit :				
butane	106-97-8 203-448-7 01-2119474691-32- XXXX	Flam. Gas 1A; H220	>= 25 - < 40	

For explanation of abbreviations see section 16.





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SECTION 4: First aid measures

4.1 Description of first aid mea	isures
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.
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.
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	e medical attention and special treatment needed
Treatment	: Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	:	Water spray jet Dry powder Foam Carbon dioxide (CO2)
Unsuitable extinguishing	:	High volume water jet



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5.2 Special hazards arising from the substance or mixture

Specific hazards during fire- fighting	:	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.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use personal protective equipment.
		Deny access to unprotected persons.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

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	: 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.



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		Open drum carefully as content may be under p Take necessary action to avoid static electricity (which might cause ignition of organic vapours). Follow standard hygiene measures when handl products	discharge
Advice on protection against fire and explosion	:	Use explosion-proof equipment. Keep away from open flames/ hot surfaces. No smoking. Do not naked flame or any incandescent material. Take measures against electrostatic discharges.	spray on a
Hygiene measures	:	Handle in accordance with good industrial hygic practice. When using do not eat or drink. When smoke. Wash hands before breaks and at the e	using do not
7.2 Conditions for safe storage, i	inc	luding any incompatibilities	
Requirements for storage areas and containers	:	BEWARE: Aerosol is pressurized. Keep away for exposure and temperatures over 50 °C. Do not or throw into fire even after use. Do not spray of red-hot objects. Store in original container. Keep tightly closed in a dry and well-ventilated place. precautions. Store in accordance with local regu	open by force n flames or p container Observe label
Further information on stor- age stability	:	No decomposition if stored and applied as direc	ted.
7.3 Specific end use(s)			
Specific use(s)	:	Consult most current local Product Data Sheet use.	prior to any

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters *	Basis *
butane	106-97-8	STEL	750 ppm 1.810 mg/m3	GB EH40
	genetic dama	Further information: Capable of causing cancer and/or heritable genetic damage., Carcinogenic only applies if butane contains more than 0.1% of buta-1,3-diene		
		TWA	600 ppm 1.450 mg/m3	GB EH40



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*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

8.2 Exposure controls

Engineering measures

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

Personal protective equipment					
Eye/face protection :	Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water				
Hand protection	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.				
	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).				
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 (Type A) and particulate filter A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm P1: Inert material; P2, P3: hazardous substances Ensure adequate ventilation, especially in confined areas. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. 				

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : aerosol



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Colour	: various	
Odour	: hydrocarbon-like	
Melting point/range / Freezing point	: No data available	
Boiling point/boiling range	: No data available	
Flammability (solid, gas)	: No data available	
Upper/lower flammability or	explosive limits	
Upper explosion limit / Up- per flammability limit	: Upper flammability limit 10,9 %(V)	
Lower explosion limit / Lower flammability limit	: Lower flammability limit 0,6 %(V)	
Flash point	: ca97 °C Method: closed cup	
Auto-ignition temperature	: > 200 °C	
Decomposition temperature	: No data available	
рН	: Not applicable substance/mixture is non-polar/aprotic	
Viscosity Viscosity, kinematic	: < 20,5 mm2/s (40 °C)	
Solubility(ies) Water solubility	: insoluble	
Partition coefficient: n- octanol/water	: No data available	
Vapour pressure	: 4.000 hPa (20 °C)	
Density	: ca. 0,66 g/cm3 (20 °C)	



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Relative vapour density	:	No data available	
Particle characteristics	:	No data available	
9.2 Other information No data available			
SECTION 10: Stability and re	eactiv	/ity	
10.1 Reactivity			
No dangerous reaction know	n unc	ler conditions of normal use.	
10.2 Chemical stability			
The product is chemically sta	able.		
10.3 Possibility of hazardous re	eactio	ns	
Hazardous reactions	:	Stable under recommended storage conditions.	
10.4 Conditions to avoid			
Conditions to avoid	:	Heat, flames and sparks.	
10.5 Incompatible materials			
Materials to avoid	:	No data available	
10.6 Hazardous decomposition	prod	ucts	
No decomposition if stored a	ind ap	plied as directed.	
Acute toxicity	ses a	as defined in Regulation (EC) No 1272/2008	
Not classified based on avai	able i	nformation.	
<u>Components:</u>			

Hydrocarbons, C9-C11, n-alkanes,	isoalkanes, cyclics, <2% aromatics:
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Acute oral toxicity	:	LD50 Oral (Rat): > 5.000 mg/kg

Acute dermal toxicity	:	LD50 Dermal (Rabbit): 3.160 mg/kg
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Skin corrosion/irritation Causes skin irritation.	on				
Serious eye damage/eye irritation Not classified based on available information.					
Respiratory or skin se	nsitisation				
Skin sensitisation Not classified based on		formation.			
Respiratory sensitisat Not classified based on		formation.			
Germ cell mutagenicit Not classified based on	-	formation.			
Carcinogenicity Not classified based on	available int	formation.			
Reproductive toxicity Not classified based on	available int	formation.			
STOT - single exposu May cause drowsiness					
STOT - repeated expo Not classified based on		formation.			
Aspiration toxicity Not classified based on	available int	formation.			
11.2 Information on other	nazards				
Endocrine disrupting	properties				
Product:					
Assessment	e F (1	The substance/mixture does not contained to have endocrine disrupting prop REACH Article 57(f) or Commission D EU) 2017/2100 or Commission Regu evels of 0.1% or higher.	perties according to Delegated regulation		

SECTION 12: Ecological information

12.1 Toxicity

Components:

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics:

aquatic invertebrates Exposure time: 48 h	
Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 1.	000 mg/l



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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 asse	essment	
Product:		
Assessment :	This substance/mixture contains no competed by to be either persistent, bioaccumulative and very persistent and very bioaccumulative (0.1% or higher	nd toxic (PBT), or
12.6 Endocrine disrupting properti	es	
Product:		
Assessment :	The substance/mixture does not contain c ered to have endocrine disrupting properti REACH Article 57(f) or Commission Deleg (EU) 2017/2100 or Commission Regulation levels of 0.1% or higher.	es according to pated regulation
12.7 Other adverse effects		
Product: Additional ecological infor- : mation	An environmental hazard cannot be exclud unprofessional handling or disposal. Toxic to aquatic life with long lasting effect	
SECTION 13: Disposal conside	ations	
13.1 Waste treatment methods		
Product :	The generation of waste should be avoide wherever possible. Empty containers or liners may retain som	e product residues.

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.



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		Avoid dispersal of spilled material and runoff and soil, waterways, drains and sewers.	d contact with
European Waste Catalogue	:	16 05 04* gases in pressure containers (includir containing dangerous substances	ng halons)
Contaminated packaging	:	15 01 10* packaging containing residues of or co by dangerous substances	ontaminated

SECTION 14: Transport information

14.1 UN number or ID number					
	ADR	:	UN 1950		
	IMDG	:	UN 1950		
	ΙΑΤΑ	:	UN 1950		
14.2	2 UN proper shipping name				
	ADR	:	AEROSOLS		
	IMDG	:	AEROSOLS (naphtha (petroleum))		
	ΙΑΤΑ	:	Aerosols, flammable		
14.3	B Transport hazard class(es)				
			Class	Subsidiary risks	
	ADR	:	2	2.1	
	IMDG	:	2.1		
	ΙΑΤΑ	:	2.1		
14.4 Packing group					
	ADR Packing group Classification Code Labels Tunnel restriction code Remarks	:	Not assigned by regulation 5F 2.1 (D) Transport according to chapter 3.4 (LQ) possible		
	IMDG Packing group Labels EmS Code IATA (Cargo) Packing instruction (cargo	:	2.1 F-D, S-U		



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aircraft) Packing instruction (LQ) Packing group Labels	: :	Y203 Not assigned by regulation Flammable Gas	
IATA (Passenger) Packing instruction (passen- ger aircraft) Packing instruction (LQ) Packing group Labels	:		
14.5 Environmental hazards			
ADR Environmentally hazardous	:	yes	
IMDG Marine pollutant	:	yes	
IATA (Passenger) Environmentally hazardous	:	yes	
IATA (Cargo) Environmentally hazardous	:	yes	
14.6 Special precautions for use			

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 (CWC) Schedules of Toxic Chemicals and Precursors	:	Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	:	Not applicable
GB Export and import of hazardous chemicals - Prior Informed Consent (PIC) Regulation	:	Not applicable



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Control of Major Accident Hazard 2015 (COMAH)	ntrol of Major Accident Hazards Regulations 15 (COMAH)		FLAMMABLE AEROSOLS		
			ENVIRONMENTAL HAZAI	RDS	
		34	Petroleum products: (a) ga and naphthas, (b) kerosen (including jet fuels), (c) gas (including diesel fuels, hom heating oils and gas oil ble streams),(d) heavy fuel oils alternative fuels serving the purposes and with similar p ties as regards flammability environmental hazards as products referred to in poin to (d)	es s oils ne nding s (e) e same proper- y and the	
Volatile organic compounds :	(VOCV)		ax for volatile organic comp ounds (VOC) content: 83,39		
	emissions (in	10/75/EU of 24 November 2010 on ind ntegrated pollution prevention and com anic compounds (VOC) content: 83,3%		ntrol)	
	If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.				
mental regulation/legislation specific for the substance or mixture: May be subje			tion Act 1990 & Subsidiary I Work Act 1974 & Subsidiary s Hazardous to Health Regu Control of Major Accident H), and amendments.	Regulations lations	

Other regulations:

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

H220 :	Extremely flammable gas.
H225 :	Highly flammable liquid and vapour.
H226 :	Flammable liquid and vapour.
H304 :	May be fatal if swallowed and enters airways.



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		Occupation inside the s	
H315	:	Causes skin irritation.	
H319 :		Causes serious eye irritation.	
H335	:	May cause respiratory irritation.	
H336	:	May cause drowsiness or dizziness.	
H411	:	Toxic to aquatic life with long lasting effe	cts.
Full text of other abbreviati	ions	i	
Aquatic Chronic	:	Long-term (chronic) aquatic hazard	
Asp. Tox.	:	Aspiration hazard	
Eye Irrit.	:	Eye irritation	
Flam. Gas	:	Flammable gases	
Flam. Liq.	:	Flammable liquids	
Skin Irrit.	:	Skin irritation	
STOT SE	:	Specific target organ toxicity - single exp	osure
GB EH40	:	UK. EH40 WEL - Workplace Exposure Li	
GB EH40 / TWA	÷	Long-term exposure limit (8-hour TWA re	
GB EH40 / STEL		Short-term exposure limit (15-minute refe	
ADR		European Agreement concerning the Inte	
	•	Dangerous Goods by Road	sinatonal carnage of
CAS		Chemical Abstracts Service	
DNEL	:	Derived no-effect level	
EC50	:	Half maximal effective concentration	
GHS	:	Globally Harmonized System	
IATA	÷		
IMDG	:	International Air Transport Association	
	÷	International Maritime Code for Dangerou	
LD50	•	Median lethal dosis (the amount of a mat	
		once, which causes the death of 50% (or	ie nail) of a group of
1.050		test animals)	
LC50	:	Median lethal concentration (concentration	
		air that kills 50% of the test animals durin	ig the observation
		period)	
MARPOL	:	International Convention for the Prevention	
		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 Eu	ropean Parliament
		and of the Council of 18 December 2006	concerning the Reg-
		istration, Evaluation, Authorisation and R	estriction of Chemi-
		cals (REACH), establishing a European (Chemicals Agency
SVHC	:	Substances of Very High Concern	
vPvB		Very persistent and very bioaccumulative	
	•		-

Further information

Classification of the mixt	Classification procedure:	
Aerosol 1	H222, H229	Calculation method
Skin Irrit. 2	H315	Calculation method
STOT SE 3	H336	Calculation method



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Aquatic Chronic 2	H411	Calculation 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