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

1.1 Product identifier

Trade name

SikaFast[®]-3131 (cartridge) (A)

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

Product use : Adhesive

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	:	EHS@uk.sika.com
responsible for the SDS		-

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)

Flammable liquids, Category 2 Skin irritation, Category 2 Eye irritation, Category 2 Skin sensitisation, Category 1 Specific target organ toxicity - single exposure, Category 3, Respiratory system Long-term (chronic) aquatic hazard, Category 3

H225: Highly flammable liquid and vapour. H315: Causes skin irritation.

- H319: Causes serious eye irritation.
- H317: May cause an allergic skin reaction.
- H335: May cause respiratory irritation.

H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:		
Signal word	:	Danger	
Hazard statements	:	H225	Highly flammable liquid and vapour.



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	H315 H317 H319 H335 H412	Causes skin irritation. May cause an allergic skin react Causes serious eye irritation. May cause respiratory irritation. Harmful to aquatic life with long l fects.	
Precautionary statements :	Prevention: P210 P233 P261 P264 P280	Keep away from heat, hot surfact open flames and other ignition set smoking. Keep container tightly closed. Avoid breathing mist or vapours. Wash skin thoroughly after hand Wear protective gloves/ protective	ources. No ling.
	Response: P370 + P378	eye protection/ face protection. In case of fire: Use dry sand, dry alcohol-resistant foam to extingu	r chemical or

Hazardous components which must be listed on the label:

methyl methacrylate

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.	Classification	Concentration (% w/w)
methyl methacrylate	Registration number 80-62-6 201-297-1 01-2119452498-28- XXXX	Flam. Liq. 2; H225 Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT SE 3; H335 (Respiratory system)	>= 40 - < 60
2-Propenoic acid, 2-methyl-, 2- hydroxyethyl ester, phosphate	52628-03-2 258-053-2	Skin Corr. 1B; H314	>= 1 - < 2,5
N,N-dimethyl-p-toluidine	99-97-8 202-805-4	Acute Tox. 3; H301 Acute Tox. 3; H331 Acute Tox. 3; H311 STOT RE 2; H373 Aquatic Chronic 3; H412	>= 0,25 - < 1
triisodecyl phosphite	25448-25-3 246-998-3 01-2119964066- XXXX	Skin Sens. 1; H317 specific concentration limit Skin Sens. 1; H317 >= 20 %	< 1

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	: Immediately flush eye(s) with plenty of water. Remove contact lenses. Keep eye wide open while rinsing.



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		If eye irritation persists, consult a speciali	st.
If swallowed	:	Do not induce vomiting without medical a Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unco	
4.2 Most important symptoms ar	nd e	ffects, both acute and delayed	
Symptoms	:	Cough Respiratory disorder Allergic reactions Excessive lachrymation Erythema Dermatitis See Section 11 for more detailed informa and symptoms.	tion on health effects
Risks	:	irritant effects sensitising effects	
		Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation.	
4.3 Indication of any immediate	ned	ical attention and special treatment ne	eded
Treatment	:	Treat symptomatically.	
SECTION 5: Firefighting meas 5.1 Extinguishing media Suitable extinguishing media			
		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 fire.	/ scatter and spread
Hazardous combustion prod- ucts	:	No hazardous combustion products are k	nown



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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.	
• •	tiv	e 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 explosiv	ve 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	:	Soak up with inert absorbent material (e.g. sand, silica gel,
		acid binder, universal binder, sawdust).

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. 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. Take precautionary measures against static discharge. Open drum carefully as content may be under pressure.
	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 products	ı handling chemical		
Advice on protection against : fire and explosion	Use explosion-proof equipment. Keep aw open flames/ hot surfaces. No smoking. measures against electrostatic discharge	Take precautionary		
Hygiene measures :	Handle in accordance with good industria practice. When using do not eat or drink. smoke. Wash hands before breaks and a	When using do not		
7.2 Conditions for safe storage, including any incompatibilities				
Requirements for storage : areas and containers	Store in cool place. Store in accordance	with local regulations.		
Further information on stor- : age stability	No decomposition if stored and applied a	s directed.		
7.3 Specific end use(s)				
Specific use(s) :	Consult most current local Product Data use.	Sheet 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 *
methyl methacrylate	80-62-6	TWA	50 ppm	2009/161/EU
	Further infor	mation: Indicative		
		STEL	100 ppm	2009/161/EU
		STEL	100 ppm 416 mg/m3	GB EH40
		TWA	50 ppm 208 mg/m3	GB EH40

*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 ap- proved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manu-



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	facturer specifications.	
	Suitable for short time use or protection Butyl rubber/nitrile rubber gloves (> 0,1 Contaminated gloves should be remove Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min.	mm)
Skin and body protection	 Protective clothing (e.g. Safety shoes a long-sleeved working clothing, long trou and protective boots are additionaly rec and stirring work. 	users). Rubber aprons
Respiratory protection	 In case of inadequate ventilation wear in Respirator selection must be based on exposure levels, the hazards of the proving limits of the selected respirator. organic vapor filter (Type A) A1: < 1000 ppm; A2: < 5000 ppm; A3: Ensure adequate ventilation. This can be exhaust extraction or by general ventilation ods for determining inhalation exposure ticular to the mixing / stirring area. In case to keep the concentrations under the od limits then respiration protection measure. 	known or anticipated duct and the safe work- < 10000 ppm be achieved by local ation. (EN 689 - Meth- a). This applies in par- ase this is not sufficent ccupational exposure
Environmental exposure cor	ntrols	
General advice	: Prevent product from entering drains. If the product contaminates rivers and I respective authorities.	akes or drains inform

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state Appearance Colour Odour	: : :	liquid paste tan characteristic		
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-	:	No data available
per flammability limit		



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Lower explosion limit / Lower flammability limit	:	No data available	
Flash point	:	ca. 10 °C Method: closed cup	
Auto-ignition temperature	:	No data available	
Decomposition temperature	:	No data available	
рН	:	Not applicable	
Viscosity Viscosity, kinematic	:	> 20,5 mm2/s (40 °C)	
Solubility(ies) Water solubility	:	insoluble	
Partition coefficient: n- octanol/water	:	No data available	
Vapour pressure	:	40 hPa	
Density	:	ca. 0,96 g/cm3 (23 °C)	
Relative vapour density	:	No data available	
Particle characteristics	:	No data available	
9.2 Other information No data available			

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.

10.4 Conditions to avoid

Conditions to avoid	: Heat, flames and sparks.
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10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

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:

methyl methacrylate:						
Acute oral toxicity	:	LD50 Oral (Rat): > 5.000 mg/kg				
Acute inhalation toxicity	:	LC50 (Rat): 29,8 mg/l Exposure time: 4 h Test atmosphere: vapour				
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 5.000 mg/kg				
Skin corrosion/irritation Causes skin irritation.						
Serious eye damage/eye irritation Causes serious eye irritation.						
Respiratory or skin sensitisation						
Skin sensitisation May cause an allergic skin rea	actio	on.				
Respiratory sensitisation Not classified based on availa	able	information.				
Germ cell mutagenicity Not classified based on availa	able	information.				
Carcinogenicity Not classified based on availa	able	information.				
Reproductive toxicity Not classified based on availa	able	information.				
 STOT - single exposure May cause respiratory irritatio	n.					



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STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

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:

methyl methacrylate:

Toxicity to fish	:	NOEC (Danio rerio (zebra fish)): 9,4 mg/l
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 69 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
		NOEC : 37 mg/l Exposure time: 21 d Method: OECD Test Guideline 202
Toxicity to daphnia and other aquatic invertebrates (Chron-ic toxicity)	:	NOEC: 37 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea)

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

Product:



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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	
12.6 Endocrine disrupting proper	ties	
Product:		
Assessment	 The substance/mixture does not contain ered to have endocrine disrupting proper REACH Article 57(f) or Commission Del (EU) 2017/2100 or Commission Regular levels of 0.1% or higher. 	erties according to legated regulation
12.7 Other adverse effects		
Product: Additional ecological infor- mation	: An environmental hazard cannot be exc unprofessional handling or disposal. Harmful to aquatic life with long lasting o	
<u>Components:</u>		
N,N-dimethyl-p-toluidine: Additional ecological infor- mation	: An environmental hazard cannot be exc unprofessional handling or disposal. Harmful to aquatic life with long lasting o	

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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.



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SECTION 14: Transport information

14.1 UN number or ID number

ADR	:	UN 3269	
IMDG	:	UN 3269	
ΙΑΤΑ	:	UN 3269	
14.2 UN proper shipping name			
ADR	:	POLYESTER RESIN	KIT
IMDG	:	POLYESTER RESIN	KIT
ΙΑΤΑ	:	Polyester resin kit	
14.3 Transport hazard class(es)			
		Class	Subsidiary risks
ADR	:	3	
IMDG	:	3	
ΙΑΤΑ	:	3	
14.4 Packing group			
ADR Packing group Classification Code Labels Tunnel restriction code IMDG Packing group Labels EmS Code IATA (Cargo) Packing instruction (cargo aircraft) Packing instruction (LQ) Packing group Labels IATA (Passenger) Packing instruction (passen- ger aircraft) Packing instruction (LQ) Packing instruction (LQ) Packing instruction (LQ) Packing group Labels		II F3 3 (E) II 3 F-E, S-D 370 Y370 II Flammable Liquids 370 Y370 II Flammable Liquids	

14.5 Environmental hazards

ADR



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Environmentally hazardous : no		
IMDG		

Marine pollutant:noIATA (Passenger):noEnvironmentally hazardous:noIATA (Cargo):noEnvironmentally hazardous:no

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
UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation	:	Not applicable
The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Brit- ain)	:	Not applicable
International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors	:	Not applicable
Regulation (EC) No 1005/2009 on substances that de- plete the ozone layer	:	Not applicable
UK REACH List of substances subject to authorisation (Annex XIV)	:	Not applicable
GB Export and import of hazardous chemicals - Prior Informed Consent (PIC) Regulation	:	Not applicable
Control of Major Accident Hazards Regulations P5c 2015 (COMAH)	FLA	MMABLE LIQUIDS
Volatile organic compounds : Law on the incentive t (VOCV)		or volatile organic compounds ls (VOC) content: < 0% w/w
	ouno	$(V \cup C)$ content. $< 0.0 $ W/W



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Ш	no VOC duties	
	Directive 2010/75/EU of 24 November 2 emissions (integrated pollution prevention Volatile organic compounds (VOC) cont	on and control)
If other regulatory information a Sheet, then it is described in th	applies that is not already provided elsewhe is subsection.	re in the Safety Data
Health, safety and environ- mental regulation/legislation	: Environmental Protection Act 1990 & Su Health and Safety at Work Act 1974 & S	

mental regulation/legislation specific for the substance or mixture:

Environmental Protection Act 1990 & Subsidiary Regulations Health and Safety at Work Act 1974 & Subsidiary Regulations Control of Substances Hazardous to Health Regulations (COSHH) May be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments.

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 :	Highly flammable liquid and vapour.
H301 :	Toxic if swallowed.
H311 :	Toxic in contact with skin.
H314 :	Causes severe skin burns and eye damage.
H315 :	Causes skin irritation.
H317 :	May cause an allergic skin reaction.
H331 :	Toxic if inhaled.
H335 :	May cause respiratory irritation.
H373 :	May cause damage to organs through prolonged or repeated
	exposure.
H412 :	Harmful to aquatic life with long lasting effects.
Full text of other abbreviations	
Acute Tox. :	Acute toxicity
Aquatic Chronic :	Long-term (chronic) aquatic hazard
Flam. Liq.	Flammable liquids
Skin Corr. :	Skin corrosion
Skin Irrit.	Skin irritation
Skin Sens. :	Skin sensitisation
STOT RE :	Specific target organ toxicity - repeated exposure
STOT SE :	Specific target organ toxicity - single exposure
2009/161/EU :	Europe. COMMISSION DIRECTIVE 2009/161/EU establishing
	a third list of indicative occupational exposure limit values in
	implementation of Council Directive 98/24/EC and amending
	Commission Directive 2000/39/EC
GB EH40 :	UK. EH40 WEL - Workplace Exposure Limits



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2009/161/EU / TWA 2009/161/EU / STEL GB EH40 / TWA GB EH40 / STEL ADR	Limit Value - eight hours Short term exposure limit Long-term exposure limit (8-hour TWA reference period) Short-term exposure limit (15-minute reference period) 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 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 Reg- istration, Evaluation, Authorisation and Restriction 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 m	nixture:	Classification procedure:
Flam. Liq. 2	H225	Based on product data or assessment
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Skin Sens. 1	H317	Calculation method
STOT SE 3	H335	Calculation method
Aquatic Chronic 3	H412	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 !

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