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

#### 1.1 Product identifier

Trade name : SikaRoof® Adhesive C-733

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

Product use : Adhesive, For professional users only.

### 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	H225: Highly flammable liquid and vapour.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Specific target organ toxicity - single ex- posure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.

#### 2.2 Label elements

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

Hazard pictograms



Signal word

Danger

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Hazard statements	:	H225 H319 H336	Cau	nly flammable liquid and vapour. ses serious eye irritation. v cause drowsiness or dizziness.	
Supplemental Hazard Statements	:	EUH066		Repeated exposure may cause or cracking.	skin dryness
Precautionary statements	:	<b>Prevention</b> P210 P233 P261 P280	:	Keep away from heat, hot surface open flames and other ignition s smoking. Keep container tightly closed. Avoid breathing mist or vapours Wear protective gloves/ protective eye protection/ face protection.	ources. No
		<b>Response:</b> P303 + P36 P370 + P37	1 + F	P353 IF ON SKIN (or hair): Taka ately all contaminated clothing. I with water. In case of fire: Use dry sand, dry alcohol-resistant foam to extingu	Rinse skin y chemical or

# Hazardous components which must be listed on the label:

ethyl acetate

## 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

oomponenta			
Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
ethyl acetate	141-78-6 205-500-4 607-022-00-5 01-2119475103-46- XXXX	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 (Central nervous system) EUH066	>= 25 - < 40
butanone	78-93-3 201-159-0 606-002-00-3 01-2119457290-43- XXXX	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 (Central nervous system) EUH066	>= 25 - < 40

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	<ul> <li>Take off contaminated clothing and shoes immediately.</li> <li>Wash off with soap and plenty of water.</li> <li>If symptoms persist, call a physician.</li> </ul>	
In case of eye contact	<ul> <li>Immediately flush eye(s) with plenty of water.</li> <li>Remove contact lenses.</li> <li>Keep eye wide open while rinsing.</li> <li>If eye irritation persists, consult a specialist.</li> </ul>	
If swallowed	<ul> <li>Do not induce vomiting without medical advice.</li> <li>Rinse mouth with water.</li> <li>Do not give milk or alcoholic beverages.</li> <li>Never give anything by mouth to an unconscious person</li> </ul>	1.

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



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Symptoms	:	Excessive lachrymation Erythema Loss of balance Vertigo See Section 11 for more detailed information of and symptoms.	on health effects
Risks	:	irritant effects	
		Causes serious eye irritation. May cause drowsiness or dizziness. Repeated exposure may cause skin dryness o	or cracking.
4.3 Indication of any immediate r	ned	lical attention and special treatment needed	
		Treat symptomatically.	
	sure :	es Alcohol-resistant foam	
SECTION 5: Firefighting meas	:	es	
SECTION 5: Firefighting meas 5.1 Extinguishing media Suitable extinguishing media Unsuitable extinguishing	:	es Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical Water	
SECTION 5: Firefighting meas 5.1 Extinguishing media Suitable extinguishing media Unsuitable extinguishing media 5.2 Special hazards arising from	: : the	es Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical Water	1
<ul> <li>SECTION 5: Firefighting meas</li> <li>5.1 Extinguishing media</li> <li>Suitable extinguishing media</li> <li>Unsuitable extinguishing media</li> <li>5.2 Special hazards arising from Hazardous combustion prod-</li> </ul>	: : the	es Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical Water e substance or mixture	1
<ul> <li>SECTION 5: Firefighting meas</li> <li>5.1 Extinguishing media</li> <li>Suitable extinguishing media</li> <li>Unsuitable extinguishing media</li> <li>5.2 Special hazards arising from Hazardous combustion products</li> <li>5.3 Advice for firefighters</li> </ul>	: the :	es Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical Water e substance or mixture	

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.



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6.2 Environmental precautions		
Environmental precautions :	Prevent product from entering drains. If the product contaminates rivers and lakes or respective authorities.	<sup>.</sup> drains inform
6.3 Methods and material for contai	inment and cleaning up	
Methods for cleaning up :	Contain spillage, and then collect with non-cor sorbent material, (e.g. sand, earth, diatomaced miculite) and place in container for disposal ac / national regulations (see section 13).	ous earth, ver-

## 6.4 Reference to other sections

For personal protection see section 8.

# **SECTION 7: Handling and storage**

# 7.1 Precautions for safe handling

Ad	vice 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
	vice on protection against : e and explosion	Use explosion-proof equipment. Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. Take precautionary measures against electrostatic discharges.
Hy	giene 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.
7.2 Con	nditions for safe storage, incl	uding any incompatibilities
	equirements for storage : eas and containers	Store in cool place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with local regulations.
	rther information on stor- : e stability	No decomposition if stored and applied as directed.
Country	v GB 10000035810	5/



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### 7.3 Specific end use(s)

Specific use(s)

: Consult most current local Product Data Sheet prior to any use.

## **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 *		
ethyl acetate	141-78-6	STEL	400 ppm 1.468 mg/m3	2017/164/EU		
	Further inform	mation: Indicative				
		TWA	200 ppm 734 mg/m3	2017/164/EU		
		TWA	200 ppm 734 mg/m3	GB EH40		
		STEL	400 ppm 1.468 mg/m3	GB EH40		
butanone	78-93-3	TWA	200 ppm 600 mg/m3	2000/39/EC		
	Further inform	Further information: Indicative				
		STEL	300 ppm 900 mg/m3	2000/39/EC		
		TWA	200 ppm 600 mg/m3	GB EH40		
	Further inform	Further information: Can be absorbed through the skin. The as-				
		signed substances are those for which there are concerns that				
	dermal absor	temic toxicity.				
		STEL	300 ppm 899 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.

#### **Biological occupational exposure limits**

Substance name	CAS-No.	Control parame- ters	Sampling time	Basis
butanone	78-93-3	butan-2-one: 70 micromol per litre (Urine)	After shift	GB EH40 BAT

#### 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



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Hand protection	: Chemical-resistant, impervious gloves co proved standard must be worn at all time chemical products. Reference number E facturer specifications. Suitable for short time use or protection a Butyl rubber/nitrile rubber gloves (> 0,1 r Contaminated gloves should be removed Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min.	es when handling N 374. Follow manu- against splashes: mm)
Skin and body protection	Protective clothing (e.g. Safety shoes ac long-sleeved working clothing, long trous and protective boots are additionaly reco and stirring work.	sers). Rubber aprons
Respiratory protection :	In case of inadequate ventilation wear re Respirator selection must be based on k exposure levels, the hazards of the prod ing 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 ventilati ods for determining inhalation exposure) ticular to the mixing / stirring area. In case to keep the concentrations under the occo limits then respiration protection measure	10000 ppm e achieved by local ion. (EN 689 - Meth- . This applies in par- se this is not sufficent cupational exposure
Environmental exposure cont	rols	
General advice	: Prevent product from entering drains. If the product contaminates rivers and la respective authorities.	kes or drains inform

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

## 9.1 Information on basic physical and chemical properties

Appearance Colour	:	liquid yellow
Odour	:	solvent-like
Melting point/ range / Freez- ing point	:	No data available



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Boiling point/boiling range	: 77 - 78 °C	
Flammability (solid, gas)	: No data available	
Upper/lower flammability or	xplosive limits	
Upper explosion limit / Up- per flammability limit	: Upper explosion limit 13 %(V)	
Lower explosion limit / Lower flammability limit	: Lower explosion limit 2,1 %(V)	
Flash point	: ca. 1 °C Method: closed cup	
Auto-ignition temperature	: 425 °C	
Decomposition temperature	: No data available	
рН	: Not applicable substance/mixture is non-soluble (in water)	)
Viscosity		
Viscosity, dynamic	: ca. 1.500 mPa.s (20 °C)	
Viscosity, kinematic	: > 20,5 mm2/s (40 °C)	
Solubility(ies)		
Water solubility	: partly soluble	
Partition coefficient: n- octanol/water	: No data available	
Vapour pressure	: ca. 105 hPa (20 °C)	
Density	: ca. 0,90 g/cm3 (20 °C)	
Relative vapour density	: No data available	
Particle characteristics	: No data available	



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## 9.2 Other information

No data available

## **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

No dangerous reaction known 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.
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Vapours may form explosive mixture with air.

# 10.4 Conditions to avoid

t, flames and sparks.
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## 10.5 Incompatible materials

Materials to avoid : N	lo data available
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# **10.6 Hazardous decomposition products**

No hazardous decomposition products are known.

# **SECTION 11: Toxicological information**

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

Acute toxicity Not classified due to lack of da Components:	ata.	
ethyl acetate:		
Acute oral toxicity	:	LD50 Oral (Rat): > 5.000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): ca. 1.600 mg/l Exposure time: 4 h Test atmosphere: vapour
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 5.000 mg/kg



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butanone:			
Acute oral toxicity	:	LD50 Oral (Rat): 3.300 mg/kg	
Acute inhalation toxicity	:	LC50 (Rat): 36 mg/l Exposure time: 4 h Test atmosphere: vapour	
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 5.000 mg/kg	
Skin corrosion/irritation Repeated exposure may caus	se s	skin dryness or cracking.	
Serious eye damage/eye irri	itat	ion	
Causes serious eye irritation.			
Respiratory or skin sensitis	ati	on	
<b>Skin sensitisation</b> Not classified due to lack of da	ata		
<b>Respiratory sensitisation</b> Not classified due to lack of da	ata		
Germ cell mutagenicity Not classified due to lack of da	ata		
<b>Carcinogenicity</b> Not classified due to lack of da	ata		
<b>Reproductive toxicity</b> Not classified due to lack of date	ata		
<b>STOT - single exposure</b> May cause drowsiness or dizz	zine	ess.	
STOT - repeated exposure Not classified due to lack of da	ata		
Aspiration toxicity Not classified due to lack of da	ata		
11.2 Information on other hazard	ds		
Endocrine disrupting prope Not classified due to lack of da			
Product:			
Assessment	:	The substance/mixture does not contain comered to have endocrine disrupting properties REACH Article 57(f) or Commission Delegate (EU) 2017/2100 or Commission Regulation (levels of 0.1% or higher.	according to ed regulation



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## **SECTION 12: Ecological information**

#### 12.1 Toxicity

No data available

#### 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:

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 properties

#### Product:

Assessment	<ul> <li>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 layels of 0.1% or bishor</li> </ul>
	levels of 0.1% or higher.

### 12.7 Other adverse effects

#### Product:

Additional ecological infor- : There is no data available for this product. mation

## **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.



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	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.

## **SECTION 14: Transport information**

14.1 UN number or ID number		
ADR	:	UN 1133
IMDG	:	UN 1133
ΙΑΤΑ	:	UN 1133
14.2 UN proper shipping name		
ADR	:	ADHESIVES
IMDG	:	ADHESIVES
ΙΑΤΑ	:	Adhesives
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 Labels Tunnel restriction code Remarks	:	III F1 3 (E) Transport according to 2.2.3.1.4 ADR.
IMDG Packing group Labels EmS Code Remarks IATA (Cargo)	:	Transport according to 2.3.2.2 IMDG.
Packing instruction (cargo aircraft)	:	366



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Packing instruction (LQ) Packing group Labels Remarks	Y344 III Flammable Liquids Transport according to	9 3.3.3.1.1 IATA.	
IATA (Passenger) Packing instruction (passen- ger aircraft) Packing instruction (LQ) Packing group Labels	355 Y344 III Flammable Liquids		
14.5 Environmental hazards			
<b>ADR</b> Environmentally hazardous	no		
IMDG Marine pollutant	no		
IATA (Passenger) Environmentally hazardous	no		
IATA (Cargo) Environmentally hazardous	no		
<b>14.6 Special precautions for user</b> The transport classification(s)		ormational purposes only,	

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 Britain)	:	Not applicable



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International Chemical Weapons Schedules of Toxic Chemicals an	· · · · ·	Not applicable	
Regulation (EU) No 2024/590 on plete the ozone layer	substances that de- :	Not applicable	
UK REACH List of substances su (Annex XIV)	bject to authorisation :	Not applicable	
GB Export and import of hazardor Informed Consent (PIC) Regulation		Not applicable	
Control of Major Accident Hazard 2015 (COMAH)	s Regulations P5c FL	AMMABLE LIQUIDS	
Volatile organic compounds :	Law on the incentive tax f	or volatile organic comp	oounds
	(VOCV) Volatile organic compoun	ds (VOC) content: 77%	w/w
	Directive 2010/75/EU of 2 livestock rearing emissior and control) Volatile organic compoun	ns (integrated pollution p	prevention
If other regulatory information app Sheet, then it is described in this	blies that is not already pro	. ,	

## Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

#### 15.2 Chemical safety assessment

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



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# **SECTION 16: Other information**

Full text of H-Statements		
H225	:	Highly flammable liquid and vapour.
H319	:	Causes serious eye irritation.
H336	:	May cause drowsiness or dizziness.
Full text of other abbreviati	ions	-
Eye Irrit.	:	Eye irritation
Flam. Liq.	:	Flammable liquids
STOT SĖ	:	Specific target organ toxicity - single exposure
2000/39/EC	:	Europe. Commission Directive 2000/39/EC establishing a first
		list of indicative occupational exposure limit values
2017/164/EU	•	Europe. Commission Directive 2017/164/EU establishing a
	•	fourth list of indicative occupational exposure limit values
GB EH40	•	UK. EH40 WEL - Workplace Exposure Limits
GB EH40 BAT		UK. Biological monitoring guidance values
2000/39/EC / TWA		Limit Value - eight hours
2000/39/EC / STEL	÷	Short term exposure limit
2017/164/EU / STEL	÷	Short term exposure limit
2017/164/EU / TWA	÷	Limit Value - eight hours
GB EH40 / TWA	÷	Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL	:	Short-term exposure limit (15-minute reference period)
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		Ships, 1973 as modified by the Protocol of 1978 Occupational Exposure Limit
PBT	÷	Persistent, bioaccumulative and toxic
PNEC	:	Predicted no effect concentration
REACH	:	Regulation (EC) No 1907/2006 of the European Parliament
REAGI	•	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
	•	



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Further information		
Classification of the mixture:	Classificatio	on procedure:

Flam. Liq. 2	H225	Based on product data or assessment
Eye Irrit. 2	H319	Calculation method
STOT SE 3	H336	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