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

1.1 Product identifier

Trade name : ADEKIT A 140-1/400 Resin (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 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 12	72/2008)
Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Carcinogenicity, Category 2	H351: Suspected of causing cancer.
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)



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Hazard pictograms	:		!	
Signal word	:	Warning		
Hazard statements	:	H315 H317 H319 H351 H411	Causes skin irritation. May cause an allergic skin reac Causes serious eye irritation. Suspected of causing cancer. Toxic to aquatic life with long las	
Precautionary statements	:	Prevention: P201 P261 P264 P273 P280	Obtain special instructions befor Avoid breathing mist or vapours Wash skin thoroughly after hand Avoid release to the environmen Wear protective gloves/ protection eye protection/ face protection.	s. dling. nt.
		Response: P391	Collect spillage.	

Hazardous components which must be listed on the label:

bis-[4-(2,3-epoxipropoxi)phenyl]propane 2-ethyl-2-[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate

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)
bis-[4-(2,3- epoxipropoxi)phenyl]propane	1675-54-3 216-823-5 01-2119456619-26- XXXX	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Chronic 2; H411	>= 40 - < 60
		specific concentration limit Eye Irrit. 2; H319 >= 5 % Skin Irrit. 2; H315 >= 5 %	
2-ethyl-2-[[(1-oxoallyl)oxy]methyl]- 1,3-propanediyl diacrylate	15625-89-5 239-701-3 01-2119489896-11- XXXX	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Carc. 2; H351 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 10 - < 20
		M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 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.



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	If symptoms persist, call a physician.	
In case of eye contact	 Immediately flush eye(s) with plenty of v Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specia 	
If swallowed	 Do not induce vomiting without medical Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unc 	
4.2 Most important symptoms and	effects, both acute and delayed	
Symptoms	 Allergic reactions Excessive lachrymation Erythema Dermatitis See Section 11 for more detailed inform and symptoms. 	ation on health effects
Risks	irritant effects sensitising effects	
	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of causing cancer.	
4.3 Indication of any immediate m	edical attention and special treatment ne	eeded
	Treat symptomatically.	
SECTION 5: Firefighting measu	ires	
5.1 Extinguishing media		
Suitable extinguishing media	In case of fire, use water/water spray/wa ide/sand/foam/alcohol resistant foam/ch extinction.	
5.2 Special hazards arising from the	he substance or mixture	
Specific hazards during fire- fighting	 Do not allow run-off from fire fighting to courses. 	enter drains or water
Hazardous combustion prod- ucts	No hazardous combustion products are	known



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5.3 Advice for firefighters		
Special protective equipment for firefighters	In the event of fire, wear self-contained brea	athing apparatus.
Further information	Collect contaminated fire extinguishing wate must not be discharged into drains. Fire residues and contaminated fire extingu be disposed of in accordance with local reg	ishing water must
SECTION 6: Accidental release	measures	
6.1 Personal precautions, protecti	ve 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 s If the product contaminates rivers and lakes 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).
		Keep in suitable, closed containers for disposal.

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. 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. Follow standard hygiene measures when handling chemical products
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Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.	
Hygiene measures	:	Handle in accordance with good industrial hygien practice. When using do not eat or drink. When u smoke. Wash hands before breaks and at the end	ising do not
7.2 Conditions for safe storage,	inc	luding any incompatibilities	
Requirements for storage areas and containers	:	Keep container tightly closed in a dry and well-ve place. Store in accordance with local regulations.	
Further information on stor- age stability	:	No decomposition if stored and applied as directed	∋d.
7.3 Specific end use(s)			
Specific use(s)	:	Consult most current local Product Data Sheet pr use.	ior to any

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

-				
Components	CAS-No.	Value type (Form	Control parame-	Basis *
		of exposure)	ters *	

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 equipment

Eye/face protection	 Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water 	Ì
Hand protection	: Chemical-resistant, impervious gloves complying with proved standard must be worn at all times when hand chemical products. Reference number EN 374. Follow facturer specifications.	lling
	Suitable for short time use or protection against splas 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.	nes:
Skin and body protection	 Protective clothing (e.g. Safety shoes acc. to EN ISO long-sleeved working clothing, long trousers). Rubber 	



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	and protective boots are additionaly recommend and stirring work.	ed for mixing
Respiratory protection :	No special measures required.	
Environmental exposure contr	ols	
General advice :	Do not flush into surface water or sanitary sewer If the product contaminates rivers and lakes or d respective authorities.	

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state Appearance Colour	:	liquid paste various
Odour	:	characteristic
Melting point/range / Freezing point	:	No data available
Boiling point/boiling range	:	> 200 °C
Flammability (solid, gas)	:	No data available
Upper/lower flammability or e	exp	losive limits
Upper explosion limit / Up- per flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	> 110 °C Method: closed cup
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
рН	:	Not applicable substance/mixture is non-soluble (in water)



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Viscosity			
Viscosity, kinematic	:	No data available	
Solubility(ies)			
Water solubility	:	insoluble	
Partition coefficient: n-		No data available	
octanol/water			
Maria			
Vapour pressure	:	0,01 hPa	
Density	:	ca. 1,38 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 r	eacti	vity	
No dangerous reaction know	vn un	der conditions of normal use.	
10.2 Chemical stability			
The product is chemically s			
10.3 Possibility of hazardous r Hazardous reactions	eaction:		
10.4 Conditions to avoid			
Conditions to avoid	:	No data available	
10 E lucemunetible meteriale			

10.5 Incompatible materials

Materials to avoid : No da

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.



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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:

bis-[4-(2,3-epoxipropoxi)phenyl]propane:

Acute oral toxicity	:	LD50 Oral (Rat): > 5.000 mg/kg

Acute dermal toxicity : L	D50 Dermal (Rabbit): > 5.000 mg/kg
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2-ethyl-2-[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate:

Acute oral toxicity	:	LD50 Oral (Rat): 3.680 - 5.000 mg/kg
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 reaction.

Respiratory sensitisation

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Suspected of causing cancer.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.



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11.2 Information on other	hazards				
Endocrine disrupting properties					
Endocrine disrupting	properties				
Product:					
Assessment		nce/mixture does not cont e endocrine disrupting pro	•		

: 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:

bis-[4-(2,3-epoxipropoxi)phenyl]propane:

	Toxicity to fish	:	
	Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 1,8 mg/l Exposure time: 48 h
	2-ethyl-2-[[(1-oxoallyl)oxy]m	eth	yl]-1,3-propanediyl diacrylate:
	Toxicity to fish	:	LC50 (Danio rerio (zebra fish)): 0,87 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
	M-Factor (Acute aquatic tox- icity)	:	1
	M-Factor (Chronic aquatic toxicity)	:	1
12.2	Persistence and degradabili No data available	ity	
12.3	Bioaccumulative potential No data available		
12.4	Mobility in soil		
	No data available		
12.5	Results of PBT and vPvB as	se	ssment
	Product:		
	Assessment	:	This substance/mixture contains no components considered



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	to be either persistent, bioaccumulative and toxi very persistent and very bioaccumulative (vPvB 0.1% or higher	
12.6 Endocrine disrupting propert	es	
Product:		
Assessment :	The substance/mixture does not contain compored to have endocrine disrupting properties active REACH Article 57(f) or Commission Delegated (EU) 2017/2100 or Commission Regulation (EU) levels of 0.1% or higher.	cording to regulation
12.7 Other adverse effects		
Product: Additional ecological infor- mation	An environmental hazard cannot be excluded in unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.	the event of

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.
European Waste Catalogue	:	20 01 27* paint, inks, adhesives and resins containing dan- gerous 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



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ADR	: UN 3082	
IMDG	: UN 3082	
ΙΑΤΑ	: UN 3082	
14.2 UN proper shipping name		
ADR	: ENVIRONMENTALLY HAZARDOUS S N.O.S. (epoxy resin, 2-ethyl-2-[[(1-oxoallyl)oxy propanediyl diacrylate)	
IMDG	: ENVIRONMENTALLY HAZARDOUS S N.O.S. (epoxy resin, 2-ethyl-2-[[(1-oxoallyl)oxy propanediyl diacrylate)	
ΙΑΤΑ	 Environmentally hazardous substance, liquid, n.o.s. (epoxy resin, 2-ethyl-2-[[(1-oxoallyl)oxy]methyl]-1,3- propanediyl diacrylate) 	
14.3 Transport hazard class(es)		
	Class Subsidiary risks	5
ADR	: 9	
IMDG	: 9	
ΙΑΤΑ	: 9	
14.4 Packing group		
ADR		
Packing group Classification Code Hazard Identification Number Labels Tunnel restriction code Remarks	: III : M6 : 90 : 9 : (-) : Transport in accordance with special p	provision 375
IMDG Packing group Labels EmS Code Remarks	: III : 9 : F-A, S-F : Transport in accordance with 2.10.2.7	of the IMDG-Code
IATA (Cargo) Packing instruction (cargo aircraft) Packing instruction (LQ) Packing group Labels Remarks	 964 Y964 III Miscellaneous Transport in accordance with special response 	egulation A 197



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IATA (Passenger)

Packing instruction (passen-	:	964
ger aircraft)		
Packing instruction (LQ)	:	Y964
Packing group	:	111
Labels	:	Miscellaneous

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 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 Britain)	:	Not applicable
International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors	:	Not applicable
Regulation (EC) No 1005/2009 on substances that de-	:	Not applicable
Country GB 000000680677		



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plete the ozone layer		
UK REACH List of substances su (Annex XIV)	ubject to authorisation : Not applicable	
GB Export and import of hazardo Informed Consent (PIC) Regulation		
Control of Major Accident Hazard 2015 (COMAH)	ls Regulations E2 ENVIRONMENTAL HAZ	ARDS
Volatile organic compounds :	Law on the incentive tax for volatile organic con (VOCV) Volatile organic compounds (VOC) content: 0,3 no VOC duties	
	Directive 2010/75/EU of 24 November 2010 on emissions (integrated pollution prevention and o Volatile organic compounds (VOC) content: 0,3	control)

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.

Health, safety and environ- 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.

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		
H315	:	Causes skin irritation.
H317	:	May cause an allergic skin reaction.
H319	:	Causes serious eye irritation.
H351	:	Suspected of causing cancer.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.
H411	:	Toxic to aquatic life with long lasting effects.
Full text of other abbreviation	ons	
Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Carc.	:	Carcinogenicity
Eye Irrit.	:	Eye irritation
Skin Irrit.	:	Skin irritation
Skin Sens.	:	Skin sensitisation
ADR	:	European Agreement concerning the International Carriage of
		Dangerous Goods by Road
CAS	:	Chemical Abstracts Service
DNEL	:	Derived no-effect level
EC50	:	Half maximal effective concentration
GHS	÷	Globally Harmonized System
IATA IMDG	÷	International Air Transport Association International Maritime Code for Dangerous Goods
LD50	:	Median lethal dosis (the amount of a material, given all at
ED30	·	once, which causes the death of 50% (one half) of a group of
		test animals)
LC50		Median lethal concentration (concentrations of the chemical in
2000	•	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	e mixture:	Classification procedure:		
Skin Irrit. 2	H315	Calculation method		
Eye Irrit. 2	H319	Calculation method		



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Skin Sens. 1	H317	Calculation method	
Carc. 2	H351	Calculation method	
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