

Date of last issue: -	Version 1.0	Print Date 14.03.2023
Revision Date: 14.03.2023		

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

1.1 Product identifier

Trade name

Sikadur[®]-42 HE Plus (A)

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

Product use : Epoxy coating

1.3 Details of the supplier of the safety data sheet

:	Sika Limited
	Watchmead Welwyn Garden City Hertfordshire. AL7 1BQ
:	+44 (0)1707 394444
:	+44 (0)1707 329129
:	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)

Skin irritation, Category 2	H315: Causes skin irritation.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Long-term (chronic) aquatic hazard, Cat-	H411: Toxic to aquatic life with long lasting effects.
egory 2	

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:		! ***
Signal word	:	Danger	• •
Hazard statements	:	H315 H317 H318 H411	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Toxic to aquatic life with long lasting effects.



Date of last issue: - Revision Date: 14.03.2023		Version 1.0	Print Date 14.03.2023	
Precautionary statements :	Prevention: P261 P264 P273 P280	Avoid breathing mist or vapour Wash skin thoroughly after har Avoid release to the environme Wear protective gloves/ eye pro protection.	idling. ent.	
	Response:			
	P305 + P351 +	P338 + P310 IF IN EYES: Rins with water for several minutes. tact lenses, if present and easy tinue rinsing. Immediately call a CENTER/ doctor.	Remove con- to do. Con-	
	P391	Collect spillage.		
Herendens eennenenten de	- h	and the label		

Hazardous components which must be listed on the label:

bis-[4-(2,3-epoxipropoxi)phenyl]propane bis-[4-(2,3-epoxypropoxy)phenyl]methane 1,4-bis(2,3 epoxypropoxy)butane oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

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.



Date of last issue: -Revision Date: 14.03.2023 Version 1.0

Print Date 14.03.2023

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
bis-[4-(2,3- epoxypropoxy)phenyl]methane	Not Assigned 701-263-0 01-2119454392-40- XXXX	Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 2; H411	>= 20 - < 25
1,4-bis(2,3 epoxypropoxy)butane	2425-79-8 219-371-7 01-2119494060-45- XXXX	Aquatic Chronic 3; H412 Acute Tox. 4; H302 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Dam. 1; H318 Acute toxicity esti- mate Acute oral toxicity: 1.163 mg/kg	>= 10 - < 20
oxirane, mono[(C12-14- alkyloxy)methyl] derivs.	68609-97-2 271-846-8 01-2119485289-22- XXXX	Skin Irrit. 2; H315 Skin Sens. 1; H317	>= 2,5 - < 5

For explanation of abbreviations see section 16.



Date of last issue: -Revision Date: 14.03.2023 Version 1.0

Print Date 14.03.2023

SECTION 4: First aid measures

4.1 Description of first aid measure	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 :	Small amounts splashed into eyes can cause irreversible tis- sue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Keep eye wide open while rinsing.			
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 :	Allergic reactions Excessive lachrymation Erythema Dermatitis See Section 11 for more detailed information on health effects and symptoms.			
Risks :	irritant effects sensitising effects			
	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage.			
4.3 Indication of any immediate me	edical attention and special treatment needed			
Treatment :	Treat symptomatically.			



Date of last issue: - Revision Date: 14.03.2023		Version 1.0	Print Date 14.03.2023
SECTION 5: Firefighting mea	sur	es	
5.1 Extinguishing media			
Suitable extinguishing media	:	In case of fire, use water/water spray/water ide/sand/foam/alcohol resistant foam/chemi extinction.	
5.2 Special hazards arising from	the	e substance or mixture	
Specific hazards during fire- fighting	:	Do not allow run-off from fire fighting to enter courses.	r drains or water
Hazardous combustion prod- ucts	:	No hazardous combustion products are kno	wn
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 extingui be disposed of in accordance with local regi	ishing water must

SECTION 6: Accidental release measures

6.1 Personal precautions, protect	tive	e 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 cor	ntaiı	nment 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.



Date of last issue: -	Version 1.0	Print Date 14.03.2023
Revision Date: 14.03.2023		

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
	Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
	Hygiene 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	Conditions for safe storage, i	incl	uding any incompatibilities
	Requirements for storage areas and containers	:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re- sealed and kept upright to prevent leakage. Store in accord- ance with local regulations.
	Further information on stor- age stability	:	No decomposition if stored and applied as directed.
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

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



Date of last issue: - Revision Date: 14.03.2023	Version 1.0	Print Date 14.03.2023
Eye/face protection Hand protection	 Safety glasses with side-shields confor Eye wash bottle with pure water Chemical-resistant, impervious gloves proved standard must be worn at all tin chemical products. Reference number facturer specifications. 	complying with an ap- nes when handling
	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 Respiratory protection	 Protective clothing (e.g. Safety shoes a long-sleeved working clothing, long trou and protective boots are additionaly red and stirring work. No special measures required. 	users). Rubber aprons
Environmental exposure co	trols	
General advice	: Do not flush into surface water or sanital If the product contaminates rivers and l respective authorities.	

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state Colour Odour	:	liquid clear ether-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 e	exp	losive limits
Upper/lower flammability or e Upper explosion limit / Up- per flammability limit	•	
Upper explosion limit / Up-	•	No data available
Upper explosion limit / Up- per flammability limit Lower explosion limit /	:	No data available



Date of last issue: - Revision Date: 14.03.2023		Version 1.0	Print Date 14.03.2023
Auto-ignition temperature	:	No data available	
Decomposition temperature	:	No data available	
рН	:	Not applicable substance/mixture is non-soluble (in water)	
Viscosity			
Viscosity, dynamic	:	ca. 2.000 mPa.s (20 °C)	
Viscosity, kinematic	:	> 20,5 mm2/s (40 °C)	
Solubility(ies)			
Water solubility	:	insoluble	
Partition coefficient: n- octanol/water	:	No data available	
Vapour pressure	:	0,1 hPa	
Density	:	ca. 1,12 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 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.
10.4 Conditions to avoid		
Conditions to avoid	:	No data available
10.5 Incompatible materials		
Materials to avoid	:	No data available



Sikadur®-42 HE Plus (A)

ate of last issue: - evision Date: 14.03.2023	Version 1.0	Print Date 14.03.202
0.6 Hazardous decomposition No decomposition if stored a	•	
ECTION 11: Toxicological i	nformation	
1.1 Information on hazard clas Acute toxicity	ses as defined in Regulation (EC) No 1272/2	2008
Not classified based on avail	able information.	
Components:		
bis-[4-(2,3-epoxipropoxi)pł Acute oral toxicity	enyl]propane: : LD50 Oral (Rat): > 5.000 mg/kg	
Acute dermal toxicity	: LD50 Dermal (Rabbit): > 5.000 mg/kg	
1,4-bis(2,3 epoxypropoxy)k	utane:	
Acute oral toxicity	: LD50 Oral (Rat): 1.163 mg/kg	
	Acute toxicity estimate: 1.163 mg/kg Method: Calculation method	
oxirane, mono[(C12-14-alk		
Acute oral toxicity	: LD50 Oral (Rat): > 5.000 mg/kg	
Skin corrosion/irritation Causes skin irritation.		
Serious eye damage/eye ir Causes serious eye damage		
Respiratory or skin sensiti	sation	
Skin sensitisation May cause an allergic skin re	action.	
Respiratory sensitisation Not classified based on avail	able information.	
Germ cell mutagenicity Not classified based on avail	able information.	
Carcinogenicity Not classified based on avail	able information.	
Reproductive toxicity Not classified based on avail	able information	



Date of last issue: -	
Revision Date: 14.03.2023	

Version 1.0

Print Date 14.03.2023

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.

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:

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

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 2 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 1,8 mg/l Exposure time: 48 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

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



ate of last issue: - evision Date: 14.03.2023	Version 1.0	Print Date 14.03.202
2.6 Endocrine disrupting prop	erties	
Product:		
Assessment	: The substance/mixture does not contai ered to have endocrine disrupting prop REACH Article 57(f) or Commission De (EU) 2017/2100 or Commission Regula levels of 0.1% or higher.	erties according to elegated regulation
2.7 Other adverse effects		
Product:		
Additional ecological infor-	: An environmental hazard cannot be ex unprofessional handling or disposal.	cluded in the event of
mation	Toxic to aquatic life with long lasting ef	fects.

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.

SECTION 14: Transport information

14.1 UN number or ID number	
ADR	: UN 3082
IMDG	: UN 3082
ΙΑΤΑ	: UN 3082
14.2 UN proper shipping name	
ADR	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)
0	



ate of last issue: - evision Date: 14.03.2023	Version 1.0 Print Date		
IMDG	: ENVIRONI N.O.S. (epoxy resi	MENTALLY HAZARDOUS S	SUBSTANCE, LIQUID,
ΙΑΤΑ		ntally hazardous substance	, liquid, n.o.s.
4.3 Transport hazard class(es)			
	Class	Subsidiary risks	
ADR	: 9		
IMDG	: 9		
ΙΑΤΑ	: 9		
I4.4 Packing group			
ADR Packing group Classification Code Hazard Identification Number Labels Tunnel restriction code Remarks	: III : M6 : 90 : 9 : (-) : Transport i	n accordance with special p	provision 375
IMDG Packing group Labels EmS Code Remarks	: III : 9 : F-A, S-F : Transport i	n 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 : Miscellane		
IATA (Passenger) Packing instruction (passen- ger aircraft) Packing instruction (LQ) Packing group Labels	: 964 : Y964 : III : Miscellane	ous	
4.5 Environmental hazards			
ADR Environmentally hazardous IMDG	: yes		
Marine pollutant IATA (Passenger)	: yes		



Date of last issue: - Revision Date: 14.03.2023	Version 1.0	Print Date 14.03.2023

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

International Chemical Weapons Schedules of Toxic Chemicals a	: Not applicable	
Regulation (EC) No 1005/2009 on substances that de- plete the ozone layer		: Not applicable
GB Export and import of hazardo Informed Consent (PIC) Regulat		: Not applicable
Volatile organic compounds :	 Law on the incentive tax for volatile organic compounds (VOCV) Volatile organic compounds (VOC) content: 0% w/w no VOC duties Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 0% w/w 	

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 environmental 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:



Print Date 14.03.2023

Sikadur[®]-42 HE Plus (A)

 Date of last issue: Version 1.0

 Revision Date: 14.03.2023
 Version 1.0

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	
H302 :	Harmful if swallowed.
H312 :	Harmful in contact with skin.
H315 :	Causes skin irritation.
H317 :	May cause an allergic skin reaction.
H318 :	Causes serious eye damage.
H319 :	Causes serious eye irritation.
H332 :	Harmful if inhaled.
H411	Toxic to aquatic life with long lasting effects.
H412 :	Harmful to aquatic life with long lasting effects.
Full text of other abbreviation	
	-
Acute Tox. :	
Aquatic Chronic :	Long-term (chronic) aquatic hazard
Eye Dam. :	Serious eye damage
Eye Irrit. :	Eye irritation
Skin Irrit.	Skin irritation
Skin Sens. :	Skin sensitisation
ADR :	European Agreement concerning the International Carriage of
CAS :	Dangerous Goods by Road Chemical Abstracts Service
	Derived no-effect level
DNEL : EC50 :	Half maximal effective concentration
GHS :	Globally Harmonized System
IATA :	International Air Transport Association
IMDG :	International Maritime Code for Dangerous Goods
LD50	Median lethal dosis (the amount of a material, given all at
LD50 .	once, which causes the death of 50% (one half) of a group of
	test animals)
LC50 :	
LC30 .	air that kills 50% of the test animals during the observation
	period)
MARPOL :	International Convention for the Prevention of Pollution from
MARFOL .	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
REAGIN .	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
VI VD .	very persistent and very bloaccumulative



Date of last issue: - Revision Date: 14.03.2023		Version 1.0	Print Date 14.03.2023
Further information Classification of the m	ivturo:	Classification	a procedure:
		Classification	•
Skin Irrit. 2	H315	Calculation me	ethod
Eye Dam. 1	H318	Calculation me	ethod
Skin Sens. 1	H317	Calculation me	ethod
Aquatic Chronic 2	H411	Calculation me	ethod

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