

mofakult.ch



Page 2 of 16

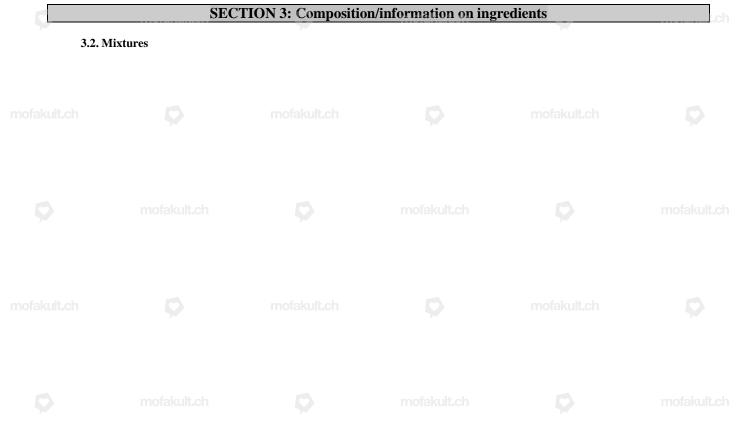
## SDS No.: 173477 V009.0 LOCTITE EA 3471 Part A

Ģ	Hazard pictogram:		niskultich	ø	mofaku <mark>t.ch</mark>			
	Contains	Reaction product: bisphenol-	-A-(epichlorhydrin)	; epoxy resin (number averag	ge molecular			
		weight <= 700) mofakult.ch						
		1,3-Propanediol, 2,2-bis(hydroxymethyl)-, polymer with (chloromethyl)oxirane						
		oxirane, mono[(C12-14-alky	loxy)methyl] derivs	3.				
	Signal word:	Warning	mafakaikai	- Ø	t.ch			
	Hazard statement:	H315 Causes skin irritation. H317 May cause an allergic H319 Causes serious eye irri H411 Toxic to aquatic life w	tation.	cts.				
	D	mofakult.ch		mofakult.ch	Ø			
	Precautionary statement: Prevention	P273 Avoid release to the en P280 Wear protective gloves						
	Precautionary statement: Response	P302+P352 IF ON SKIN: W P333+P313 If skin irritation P337+P313 If eye irritation	or rash occurs: Get	medical advice/attention.				
	mofakult.ch		nofakult.ch	Q	mofakult.ch			
	2.3. Other hazards							

None if used properly.

Following substances are present in a concentration  $\geq$  the concentration limit for depiction in Section 3 and fulfill the criteria for PBT/vPvB, or were identified as endocrine disruptor (ED):

This mixture does not contain any substances in a concentration  $\geq$  the concentration limit for depiction in Section 3 that are assessed to be a PBT, vPvB or ED.



# SDS No.: 173477 V009.0 LOCTITE EA 3471 Part A

Page 3 of 16

## Declaration of the ingredients according to CLP (EC) No 1272/2008:

$\mathbf{Q}$	Hazardous components CAS-No. EC Number REACH-Reg No.	Concentration	Classification	Specific Conc, Limits, M- factors and ATEs	Add. Information
mofakult.c	Reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3 216-823-5 01-2119456619-26	>= 25-< 40 % mofakult.c	Skin Sens. 1, H317 Eye Irrit. 2, H319 Skin Irrit. 2, H315 Aquatic Chronic 2, H411	Eye Irrit. 2; H319; C >= 5 % Skin Irrit. 2; H315; C >= 5 %	Ø
Ø	1,3-Propanediol, 2,2- bis(hydroxymethyl)-, polymer with (chloromethyl)oxirane 30973-88-7	>= 5-< 10 %	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412	¢	mofakult.
mofakulte	oxirane, mono[(C12-14- alkyloxy)methyl] derivs. 68609-97-2 271-846-8 01-2119485289-22	< 1%	Skin Irrit. 2, H315 Skin Sens. 1, H317		

For full text of the H - statements and other abbreviations see section 16 "Other information". Substances without classification may have community workplace exposure limits available.

		<b>SECTION 4: H</b>	First aid measures		
Ģ	mofakult.ch 4.1. Description of first aid measure	es	mofakult.ch	Ø	mofakult.ch
	Inhalation: Move to fresh air. If symptoms persis	t, seek medical advice.			
	Skin contact: Rinse with running water and soap. Obtain medical attention if irritation p	mofakult.ch persists.			
	Eye contact: Rinse immediately with plenty of run	ning water (for 10 min	utes), seek medical attentio	n from a specialist.	
	Ingestion: <b>mofakult.ch</b> Rinse mouth, drink 1-2 glasses of wat	ter, do not induce vom	iting, consult a doctor.		
	<b>4.2. Most important symptoms and</b> EYE: Irritation, conjunctivitis.	effects, both acute an	d delayed		
	SKIN: Rash, Urticaria. SKIN: Redness, inflammation.				
	<b>4.3. Indication of any immediate me</b> See section: Description of first aid m		pecial treatment needed		
		<b>SECTION 5: Fin</b>	efighting measures		
	<b>5.1. Extinguishing media</b> <b>Suitable extinguishing media:</b> water, carbon dioxide, foam, powder				
	Extinguishing media which must no High pressure waterjet	ot be used for safety r	easons:		



Page 4 of	f 16
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Ø	<ul> <li>5.2. Special hazards arising from In the event of a fire, carbon mono:</li> <li>5.3. Advice for firefighters Wear self-contained breathing appa</li> </ul>	xide (CO), carbon dioxide	(CO2) and nitrogen oxide	
	Additional information: In case of fire, keep containers coo	·		
ak		SECTION 6: Accide	ntal release measur	es
	<b>6.1. Personal precautions, protect</b> Avoid contact with skin and eyes. Wear protective equipment. Ensure adequate ventilation.	tive equipment and emer	gency procedures	
	<b>6.2. Environmental precautions</b> Do not empty into drains / surface	Ø		
	For small spills wipe up with paper For large spills absorb onto inert ab			sposal.mofakult.ch
	<b>6.4. Reference to other sections</b> See advice in section 8			
	See advice in section 8	SECTION 7: Har	ndling and storage	
			ndling and storage	Ģ
<b>S</b> akult.ch	See advice in section 8 motakult.ch 7.1. Precautions for safe handling Avoid skin and eye contact. See advice in section 8 Hygiene measures: Do not eat, drink or smoke whi	g le working. ses should be observed.	mofakult.ch	Ç> mofakult.ch
<b>o</b> akułt.cł	See advice in section 8 motakult.ch 7.1. Precautions for safe handling Avoid skin and eye contact. See advice in section 8 Hygiene measures: Do not eat, drink or smoke whi Good industrial hygiene practic	e working. bes should be observed. s and after finishing work. ncluding any incompatib	mofakult.ch	mofakult.ch
¢	See advice in section 8 mofakult.ch 7.1. Precautions for safe handling Avoid skin and eye contact. See advice in section 8 Hygiene measures: Do not eat, drink or smoke whi Good industrial hygiene practic Wash hands before work break 7.2. Conditions for safe storage, in Store in a cool, well-ventilated place	e working. bes should be observed. s and after finishing work. ncluding any incompatib	mofakult.ch	Ç> mofakult.ch
¢	See advice in section 8 <b>The Section 8</b> <b>The Section 9</b> <b>The Section 9</b>	e working. bes should be observed. s and after finishing work. ncluding any incompatib	ilities	C mofakult.ch

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Page 5 of 16

# SDS No.: 173477 V009.0 LOCTITE EA 3471 Part A

	SECT	TION 8: Exposur	e controls/personal prote	ction	
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8.1	. Control parameters				

#### **Occupational Exposure Limits**

#### Valid for

Great Britain Ingredient [Regulated substance] mg/m<sup>3</sup> Value type Short term exposure limit **Regulatory list** ppm category / Remarks Titanium dioxide 10 Time Weighted Average EH40 WEL 13463-67-7 (TWA): [Titanium dioxide, total inhalable] EH40 WEL 4 Time Weighted Average Titanium dioxide 13463-67-7 (TWA): [Titanium dioxide, respirable]

#### **Occupational Exposure Limits**

# Valid for

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Ingredient [Regulated substance]	ррт	mg/m <sup>3</sup>	Value type	Short term exposure limit category / Remarks	Regulatory list
Titanium dioxide 13463-67-7 [Titanium dioxide]		4	Time Weighted Average (TWA):		IR_OEL
Titanium dioxide 13463-67-7 [Titanium dioxide]		10	Time Weighted Average (TWA): fakult.ch	Ø	IR_OEL mofakult.c





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# Page 6 of 16

# SDS No.: 173477 V009.0 LOCTITE EA 3471 Part A

Name on list	Environmental	Exposure	Value				Remarks
Name on list	Compartment	Exposure period	value				Kemarks
	•		mg/l	ppm	mg/kg	others	
Reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3	aqua (freshwater)	ah	0,006 mg/l		m	ofakult.ch	-
Reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3	aqua (marine water)		0,001 mg/l			Ulanuiteri	~
Reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3	sewage treatment plant (STP)		10 mg/l mofal	ult.ch		0	mofakult.
Reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3	sediment (freshwater)				0,341 mg/kg		
Reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3	sediment (marine water) mofakult	ch	5		0,034 mg/kg	ofakult.ch	Ø
Reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3	Soil				0,065 mg/kg		
Reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3	oral		mofal	ult.ch	11 mg/kg	Ø	mofakult.
Reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3	aqua (intermittent releases)		0,018 mg/l				
Reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3	Marine water - intermittent	ch	0,002 mg/l		m	ofakult.ch	ø
Reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3	Air						no hazard identified
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. 68609-97-2	aqua (freshwater)		0,106 mg/l mofal	kult.ch		Ø	mofakult.
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. 68609-97-2	aqua (intermittent releases)		0,072 mg/l				
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. 68609-97-2	aqua (marine water)		0,011 mg/l				
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. 68609-97-2	sewage of a kult treatment plant (STP)	.ch	10 mg/l		m	ofakult.ch	\$
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. 68609-97-2	sediment (freshwater)				307,16 mg/kg		
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. 68609-97-2 mofakult.ch	sediment (marine water)		mofal	ult.ch	30,72 mg/kg	Ø	mofakult.
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. 68609-97-2	Soil				1,234 mg/kg		

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Page 7 of 16

# SDS No.: 173477 V009.0 LOCTITE EA 3471 Part A

(epichlorhydrin); epoxy resin (number average molecular weight <= 700)       (mumber average molecular	ame on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
(epichlorhydrin); epoxy resin (number average molecular weight <= 700)General populationLong term exposure - systemic effects0,0893 mg/kgno hazard identReaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight <= 700)	pichlorhydrin); epoxy resin (number verage molecular weight <= 700) 675-54-3	Workers	dermal	exposure -		0,75 mg/kg	no hazard identified
(epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3populationexposure - systemic effects0,5 mg/kgReaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3General populationoral populationLong term exposure - systemic effects0,5 mg/kgno hazard identReaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3General populationinhalation populationLong term 	pichlorhydrin); epoxy resin (number verage molecular weight <= 700) 675-54-3	Workers	Inhalation	exposure -			no hazard identified
(epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3populationexposure - systemic effects0,87 mg/m3no hazard identReaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3General 	pichlorhydrin); epoxy resin (number verage molecular weight <= 700) 675-54-3		dermal	exposure -		0,0893 mg/kg	no hazard identified
(epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3populationexposure - systemic effectsOxirane, mono[(C12-14-alkyloxy)methyl] derivs. 68609-97-2WorkersInhalationLong term exposure - 	pichlorhydrin); epoxy resin (number verage molecular weight <= 700) 675-54-3		oral	exposure -		0,5 mg/kg	no hazard identified
derivs. 68609-97-2exposure - systemic effectsexposure - systemic effectsOxirane, mono[(C12-14-alkyloxy)methyl] derivs. 68609-97-2WorkersdermalLong term exposure - 	pichlorhydrin); epoxy resin (number verage molecular weight <= 700) 675-54-3		inhalation	exposure -		0,87 mg/m3	no hazard identified
derivs.     exposure - systemic effects     exposure - systemic effects       Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.     General population     Inhalation     Long term exposure - kut of systemic effects     0,87 mg/m3       Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.     General population     dermal     Long term exposure - systemic effects     0,5 mg/kg       0xirane, mono[(C12-14-alkyloxy)methyl] derivs.     General population     dermal     Long term exposure - systemic effects     0,5 mg/kg	erivs. 8609-97-2	Workers	Inhalation	exposure -		3,6 mg/m3	
derivs. 68609-97-2populationexposure - kuit c systemic effectsemptyOxirane, mono[(C12-14-alkyloxy)methyl] derivs. 68609-97-2General populationdermal exposure - systemic effects0,5 mg/kg	erivs. 8609-97-2	Workers	dermal	exposure -		1 mg/kg	
derivs. 68609-97-2 population exposure - systemic effects	erivs. mofakult.ch 8609-97-2		Inhalation	exposure - kult.c	sh	0,87 mg/m3	mofakult.c
	erivs.		dermal	exposure -		0,5 mg/kg	
derivs. 68609-97-2 Oxirane, mono[(C12-14-aikyloxy)methyl] General oral Long term 0,5 mg/kg exposure - systemic effects		General population	oral			0,5 mg/kg	
	LCI	molakui	t.cn			molakuit.cn	

Ensure adequate ventilation.

An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly mofakult.ch wontilated area Filter type: A (EN 14387)

# Hand protection:

Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): nitrile rubber (NBR; >= 0.4 mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): nitrile rubber (NBR; >= 0.4 mm thickness) Thitle rubber (NBR; >= 0.4 mm thickness)

This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

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SDS	5 No.: 173477 V009.0 LOCTI	FE EA 3471 Part	A		Page 8 of 16
	Eye protection: Safety glasses with sideshields or c Protective eye equipment should co		gles should be worn if there is a ris	sk of splashing.	
	Skin protection: Wear suitable protective clothing. Protective clothing should conform	to EN 14605 for li	iquid splashes or to EN 13982 for o	dusts.	
	Advices to personal protection equi	pment:sfakult.ch			
	The information provided on person conducted prior to using this produ Personal protective equipment show	et to determine the	appropriate personal protective eq		
	SE	CTION 9: Phy	vical and chemical propert	ties	LC
9.1. I	nformation on basic physical a	nd chemical pro	-		
	Physical state Delivery form		liquid Currently under determination	1	
	Colour		grey	1	
	Odor				
			characteristic		
	Melting point		Not applicable, Product is a l	iquid	
	Initial boiling point Flammability		> 200 °C (> 392 °F) Currently under determination		
	Explosive limits		Currently under determination		
	Flash point mofakult.ch		$> 110 \ ^{\circ}C (> 230 \ ^{\circ}F); Closed c$		
	Auto-ignition temperature		Currently under determination		
	Decomposition temperature		Not applicable, Substance/mix organic peroxide and does not conditions of use	ture is not self-reactive,	
	pH		6 - 9		
	(; Conc.: 100 %)				
	Viscosity (kinematic)		Currently under determination Insoluble	1	
	Solubility (qualitative) (20 °C (68 °F); Solvent: Water)		llisoluble		
	Partition coefficient: n-octanol/	water	Not applicable		
			Mixture		
	Vapour pressure (20 °C (68 °F)) akult.ch		0,01 hPa mofakult.ch		
	Density		2,25 g/cm3 None		
	(20 °C (68 °F)) Relative vapour density:		Currently under determination	ı	
	Particle characteristics		Not applicable Product is a liquid		
	Other information	• • •			
Other	r information not applicable for the	ns product			

**10.1. Reactivity** Reacts with strong oxidants. Reaction with strong acids.

**10.2. Chemical stability** mofakult.ch Stable under recommended storage conditions. U.ch

# **10.3. Possibility of hazardous reactions** See section reactivity





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S	DS No.: 173477 V009.0	LOCTI	TE EA 3471 Pa	art A			Page 9 of 16
Ø	<b>10.4. Conditions to avo</b> Stable under normal con	ditions of	storage and use.		mofakult.ch	Ģ	mofakult.ch
	<b>10.5. Incompatible mat</b> See section reactivity.	terials					
	<b>10.6. Hazardous decon</b> carbon oxides.	position p	oroducts				
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			SECTION 1	1: Toxico	logical informa	ntion	
	11.1 Information on ha	zard class	ses as defined in	Regulation	(EC) No 1272/200	8	
	Acute oral toxicity:						
	The mixture is classified	l based on	calculation metho	od referring	to the classified sub	ostances present in the mixture.	
	Hazardous substances	Value	Value	Species	Method	-	
	CAS-No. Reaction product:	type LD50	> 2.000 mg/kg	rat	OECD Guide	line 420 (Acute Oral Toxicity)	
	hisphenol-A-		mofakult.c		9	mofakult.ch	Q
	oxirane, mono[(C12-14- alkyloxy)methyl] derivs. 68609-97-2	LD50	26.800 mg/kg	rat	not specified		
	mofakult. Acute dermal toxicity:	ch	Ģ		mofakult.ch	Ģ	mofakult.ch
	-	l board on	coloulation math	ad rafarring	to the alogaified gul	ostances present in the mixture.	
			-			stances present in the mixture.	
	Hazardous substances CAS-No.	Value type	Value	Species	Method		
	Reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3	LD50	> 2.000 mg/kg	rat	OECD Guide	line 402 (Acute Dermal Toxicity)	Ģ
	oxirane, mono[(C12-14- alkyloxy)methyl] derivs.	LD50	> 4.000 mg/kg	rabbit	not specified		
	68609-97-2 <b>motakult</b>	n			mofakult.ch		mo <sup>r</sup> akult.ch
	Acute inhalative toxicit	ty:					
	No data available.						
	Skin corrosion/irritatio	n:					
			calculation metho	od referring	to the classified sub	ostances present in the mixture.	
	Hazardous substances	Resul	-	Species	Method		
	CAS-No. Reaction product:	moderatel	y 24 h	rabbit	Draize Test		
	bisphenol-A- mofakult.u (epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3	irritating			mofakult.ch		molakult.ch
	oxirane, mono[(C12-14- alkyloxy)methyl] derivs. 68609-97-2	moderately	y 24 h	rabbit	EPA OTS 79	8.4470 (Acute Dermal Irritation)	



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Page 10 of 16

# SDS No.: 173477 V009.0 LOCTITE EA 3471 Part A



#### Serious eye damage/irritation:

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The mixture is classified based on calculation method referring to the classified substances present in the mixture.

	Hazardous substances CAS-No.	Result	Exposure time	Species	Method	
	oxirane, mono[(C12-14-	slightly		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)	
mofakult.ch	alkyloxy)methyl] derivs. 68609-97-2	irritating	nofakult.c	h	mofakult.ch	

#### Respiratory or skin sensitization:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No. mofakult.c	Result	Test type	Species nofakult.ch	Method
Reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3	sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
oxirane, mono[(C12-14- alkyloxy)methyl] derivs. 68609-97-2	sensitising	Buehler test	guinea pig	EPA OPPTS 870.2600 (Skin Sensitisation)

#### Germ cell mutagenicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method	
Reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight <= 700)	negative	bacterial reverse mutation assay (e.g Ames test)	with and without	n	OECD Guideline 472 (Genetic Toxicology: Escherichia coli, Reverse Mutation Assay)	
1675-54-3 oxirane, mono[(C12-14- alkyloxy)methyl] derivs. 68609-97-2	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)	
Reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3	negative	oral: gavage	mofakult.c	mouse	not specified	
oxirane, mono[(C12-14- alkyloxy)methyl] derivs. 68609-97-2	negative	intraperitoneal		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)	

## mofakult.ch Carcinogenicity

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The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Sex	Method	iola di ol
Reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3	not carcinogenic	dermal	2 y Mor daily	mouse	male	OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)	akult.ch
Reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3	not carcinogenic	oral: gavage ofakult.ch	2 y daily	rat	male/female mofak	OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)	Ø



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## SDS No.: 173477 V009.0 LOCTITE EA 3471 Part A

# Reproductive toxicity:

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The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

	Hazardous substances CAS-No.	<b>Result</b> / Value	Test type	Route of application	Species	Method
	Reaction product:	NOAEL P $\geq 50 \text{ mg/kg}$	Two	oral: gavage	rat	OECD Guideline 416 (Two-
	bisphenol-A-		generation			Generation Reproduction
<b>fakult.cl</b>	(epichlorhydrin); epoxy	NOAEL F1 >= 750 mg/kg	study		ma	Toxicity Study)
	resin (number average		-			
	molecular weight <= 700)	NOAEL F2 >= 750 mg/kg				
	1675-54-3					

#### STOT-single exposure:

No data available. kult.ch

STOT-repeated exposure::

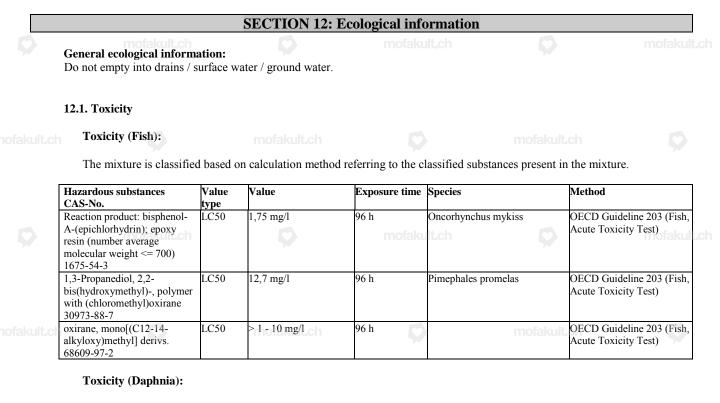
#### ,

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

mofakult.cl	Hazardous substances CAS-No.	Result / Value fakt	Route of application	Exposure time / Frequency of treatment	Species	mofa	Method	Ģ
D	Reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight <= 700)	NOAEL 50 mg/kg	oral: gavage	14 w daily mofakult.ch	rat		OECD Guidelin (Repeated Dose Oral Toxicity in	90-Day
×	1675-54-3Inotakultuoxirane, mono[(C12-14- alkyloxy)methyl] derivs. 68609-97-2	NOAEL >= 1 mg/kg	oral: gavage	13 w 5 d/w	rat		OECD Guidelin (Subchronic Der Toxicity: 90-Day	e 411 rmal
	Aspiration hazard:							
	No data available.							
	11.2 Information on ot	her hazards						
	not applicable							

Page 12 of 16

SDS No.: 173477 V009.0 LOC	CTITE EA 3471 Part A
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The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species		Method
Reaction product: bisphenol- A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3	EC50	1,7 mg/l	48 h	Daphnia magna		OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
1,3-Propanediol, 2,2- bis(hydroxymethyl)-, polymer with (chloromethyl)oxirane 30973-88-7	EC50	23,9 mg/luit.ch	48 h	Daphnia magna	mofakult	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
oxirane, mono[(C12-14- alkyloxy)methyl] derivs. 68609-97-2	EC50	> 1 - 10 mg/l	48 h	Daphnia magna		OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Chronic toxicity to aquatic invertebrates

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

	Hazardous substances	Value	Value	Exposure time	Species	Method
	CAS-No.	type				
alt.ch	Reaction product: bisphenol- A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3	NOEC	0,3 mg/l motakult.ch	21 d		OECD 211 (Daphnia magna, Reproduction Test)

Toxicity	(Algae):
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Page 13 of 16

# SDS No.: 173477 V009.0 LOCTITE EA 3471 Part A

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value type	Value	Exposure time	Species	Method
Reaction product: bisphenol- A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3	EC50	> 11 mg/l	72 h	Scenedesmus capricornutum	other guideline:
Reaction product: bisphenol- A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3	NOEC	4,2 mg/l cut.ch	72 h	Scenedesmus capricornutum	other guideline:
1,3-Propanediol, 2,2- bis(hydroxymethyl)-, polymer with (chloromethyl)oxirane 30973-88-7	NOEC	1,7 mg/l	72 h mofaku	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test) mofakul
1,3-Propanediol, 2,2- bis(hydroxymethyl)-, polymer with (chloromethyl)oxirane 30973-88-7	EC50	15 mg/l	72 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)

#### Toxicity to microorganisms

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species		Method	
Reaction product: bisphenol- A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)	IC50	> 100 mg/l	3 h mofakı	activated sludge, indu	strial	other guideline:	mofakul

#### 12.2. Persistence and degradability

Hazardous substances CAS-No.	Result mofakult.ch	Test type	Degradability	Exposure time	Method
Reaction product: bisphenol- A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3	not readily biodegradable.	aerobic	5 %	28 d	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
1,3-Propanediol, 2,2- bis(hydroxymethyl)-, polymer with (chloromethyl)oxirane 30973-88-7	not readily biodegradable.		< 60 % mofakult.ch	28 day	OECD 301 A - F
oxirane, mono[(C12-14- alkyloxy)methyl] derivs. 68609-97-2	readily biodegradable	aerobic	87 %	28 d	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)

#### 12.3. Bioaccumulative potential

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 Modata available.
 Modata available.
 Modata available.

 12.4. Mobility in soil
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# Page 14 of 16

# SDS No.: 173477 V009.0 LOCTITE EA 3471 Part A

Hazardous substances CAS-No.	LogPow	Temperature	Method
Reaction product: bisphenol- A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3	> 2,64 - < 3,78	25 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)

#### 12.5. Results of PBT and vPvB assessment

Hazardous substances CAS-No.	PBT / vPvB
Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700) 1675-54-3	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. 68609-97-2	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

## 12.6. Endocrine disrupting properties

not applicable

## mofakult.ch 12.7. Other adverse effects

No data available

 No data avallable.				
	<b>SECTION 13: Dis</b>	posal considerations		
<b>13.1. Waste treatment methods</b> Product disposal: Do not empty into drains / surface v Dispose of in accordance with local		mofakult.ch		
Disposal of uncleaned packages: After use, tubes, cartons and bottles authorised legal land fill site or inci	s containing residual prod nerated, acut, ch	luct should be disposed of	as chemically contaminated	l waste in an
Waste code 08 04 09* waste adhesives and The valid EWC waste code num for the articles or products used will be happy to advise you.	nbers are source-related.	The manufacturer is theref	ore unable to specify EWC	

Page 15 of 16

# SDS No.: 173477 V009.0 LOCTITE EA 3471 Part A

14.1.	UN number o	or ID number						
	ADR	3082						
	RID	3082						
	ADN	3082						
	IMDG							
	IATA	3082 mofakult.ch 3082						
14.2.	UN proper sh	nipping name						
	ADR	ENVIRONMENTALLY (Bisphenol-A Epichlorhy	HAZARDOUS SUBSTAN	CE, LIQUID, N.O.S.				
	mcRIDult.ch	ENVIRONMENTALLY	HAZARDOUS SUBSTAN	CE, LIQUID, N.O.S.				
	ADN		ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.					
		(Bisphenol-A Epichlorhy						
	IMDG		HAZARDOUS SUBSTAN	CE, LIQUID, N.O.S.				
		(Bisphenol-A Epichlorhy						
	IATA		us substance, liquid, n.o.s. (1		1			
		resin) mofakult.ch						
14.3.	Transport ha	zard class(es)						
	ADR	9						
	RID	9						
	ADN	9						
	IMDG	9						
	ΙΑΤΑ	9						
14.4.	Packing grou	p						
	ADR	III						
	RID	III						
	ADN	III mofakult.ch						
	IMDG	III						
	IATA	III						
14.5.	Environment	al hazards						
	ADR	not applicable						
	RID	not applicable						
	ADN	not applicable						
	IMDG	Marine pollutant						
	IATA	not applicable						
<b>14.6.</b> kult.ch	Special preca	utions for user mofakult.ch						
	ADR	not applicable						
	DID	Tunnelcode:						
	RID	not applicable						
	ADN IMDG	not applicable						
	IMDG IATA	not applicable not applicable						
	nofakult.ch	not applicable						
	The transport containers wit kg for solid su	classifications in this section h a net volume of no more the ibstances per individual or inn DG) may be applied, which ca	an 5 L for liquid substances ner package, the exemptions	or a net mass of no more that SP 375 (ADR), A197 (IAT	an 5 A),			
kult.ch14.7.	Maritime tra	nsport in bulk according to	IMO instruments					

SDS No.: 173477 V009.0 LOCTITE EA 3471 Part A

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····eventer(1=+)	SECTION 15: Regulatory in	nformation	1	t.c
Ozone Depleting Substance ( Prior Informed Consent (PIC) Persistent organic pollutants (	onmental regulations/legislation specific DDS) (Regulation (EC) No 1005/2009): (Regulation (EU) No 649/2012): Regulation (EU) 2019/1021): motak< 3,00 % Combined A/B	Not Not	atance or mixture applicable applicable applicable mofakult.ch	
<b>15.2. Chemical safety assessm</b> A chemical safety assessment	nent ent has not been carried out.			
	SECTION 16: Other info	ormation		
of all abbreviations indicated b H315 Causes skin irritation H317 May cause an allergi H319 Causes serious eye in H411 Toxic to aquatic life	c skin reaction. ritation.	ows:		
ED: mofakult.ch EU OEL: EU EXPLD 1: EU EXPLD 2 SVHC: PBT: PBT/vPvB: vPvB:	Substance identified as having endocr Substance with a Union workplace ex Substance listed in Annex I, Reg (EC Substance listed in Annex II, Reg (EC Substance of very high concern (REA Substance fulfilling persistent, bioacc Substance fulfilling persistent, bioacc bioaccumulative criteria Substance fulfilling very persistent an	posure limit ) No. 2019/11 C) No. 2019/1 CH Candidat umulative and umulative and	48 148 e List) I toxic criteria I toxic plus very persistent a mofakult.ch	mofakult.c
(EC) No 1907/2006 and pr respect, no statement, warr of any other jurisdiction or Union, please consult with	been produced for sales from Henkel to p ovides information in accordance with app anty or representation of any kind is given territory other than the European Union. I the respective Safety Data Sheet of the co ad Regulatory Affairs Department (SDSint in Union.	blicable regula as to complia When exportin Incerned territ	ations of the European Union ance with any statutory laws ng to territories other than th ory to ensure compliance or	n only. In that or regulations le European kult c liaise with
intended to describe our pr	on our current level of knowledge and relat oducts from the point of view of safety rec			
Dear Customer, Henkel is committed to cre like to contribute by switch	ating a sustainable future by promoting op ing from a paper to the electronic version nend to use a non-personal email address (	of SDS, pleas	se contact the local Custome	
	ty data sheet are indicated by vertical line red in a different color on shadowed fiel		margin in the body of this	mofakult.c s document.
Corresponding text is display				