

Trade name: einza Härter LawiPox, für Epoxidharz-Versiegelung RAL 7032**Product no.:** 0069072**Current version :** 3.0.0, issued: 14.05.2025**Replaced version:** 2.0.0, issued: 17.12.2021**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****einza Härter LawiPox, für Epoxidharz-Versiegelung RAL 7032****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Epoxy resin

sealing

Coatings

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet**Address**

einza Farben GmbH & Co KG

Junkersstraße 13

30179 Hannover

Telephone no. +49 (0)511 67490-0

Fax no. +49 (0)511 67490-20

e-mail info@einza.com

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Aquatic Chronic 2; H411

Eye Irrit. 2; H319

Skin Irrit. 2; H315

Skin Sens. 1; H317

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

GHS07



GHS09

Signal word

Warning

Hazardous component(s) to be indicated on label:

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

oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

p-tert-butylphenyl 1-(2,3-epoxy)propyl ether

Hazard statement(s)

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

H319

Causes serious eye irritation.

H411

Toxic to aquatic life with long lasting effects.

Hazard statements (EU)

EUH205

Contains epoxy constituents. May produce an allergic reaction.

Precautionary statement(s)

Trade name: einza Härter LawiPox, für Epoxidharz-Versiegelung RAL 7032

Product no.: 0069072

Current version : 3.0.0, issued: 14.05.2025

Replaced version: 2.0.0, issued: 17.12.2021

Region: GB

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection.
P391	Collect spillage.
P501	Dispose of contents/container to a facility in accordance with local and national regulations.

2.3 Other hazards

PBT assessment

The components of this product are not considered to be a PBT.

vPvB assessment

The components of this product are not considered to be a vPvB.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable. The product is not a substance.

3.2 Mixtures**Hazardous ingredients**

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration %
1	bis-[4-(2,3-epoxipropoxy)phenyl]propane	pls. refer to footnote (2)	
	1675-54-3 216-823-5 603-073-00-2 01-2119456619-26	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 2; H411	>= 70.00 - < 90.00 wt%
2	oxirane, mono[(C12-14-alkyloxy)methyl] derivs.		
	68609-97-2 271-846-8 603-103-00-4 01-2119485289-22	Skin Irrit. 2; H315 Skin Sens. 1; H317	>= 5.00 - < 10.00 wt%
3	p-tert-butylphenyl 1-(2,3-epoxy)propyl ether		
	3101-60-8 221-453-2 - 01-2119959496-20	Aquatic Chronic 2; H411 Skin Sens. 1; H317	>= 5.00 - < 10.00 wt%

Full text of H- and EUH-phrases, if not already mentioned in section 2.2: see section 16.

(2) According to the latest state of knowledge and applying the criteria set out in annex I to Regulation (EC) No 1272/2008, the aforementioned classification is required. This classification goes beyond the classification set out in table 3, Annex VI to Regulation (CE) No 1272/2008.

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	-	Skin Irrit. 2; H315: C >= 5% Eye Irrit. 2; H319: C >= 5%	-	-

SECTION 4: First aid measures**4.1 Description of first aid measures****General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

After inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

After skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

Trade name: einza Härter LawiPox, für Epoxidharz-Versiegelung RAL 7032

Product no.: 0069072

Current version : 3.0.0, issued: 14.05.2025

Replaced version: 2.0.0, issued: 17.12.2021

Region: GB

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Alcohol resistant foam, CO₂, powders, water spray

Unsuitable extinguishing media

water jet.

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂); Toxic pyrolysis products; Exposure to decomposition products may cause a health hazard.

5.3 Advice for firefighters

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses. Appropriate breathing apparatus may be required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measures listed in sections 7 and 8.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Is not allowed to be released into the sewerage or water courses. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent - avoid use of solvents.

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Due to the organic solvents' content of the mixture: Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Avoid the inhalation of dust, particulates and spray mist arising from the application of this mixture. Dry sanding, flame cutting and/or welding of the dry paint film may give rise to dust and/or hazardous fumes. Wet [sanding]/[flattening] should be used wherever possible. Avoid inhalation of dust from sanding. For personal protection see section 8.

General protective and hygiene measures

Avoid skin and eye contact. Do not eat or drink during work - no smoking. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

Advice on protection against fire and explosion

Isolate from sources of heat, sparks and open flame. No sparking tools should be used. Electrical equipment should be protected to the appropriate standard. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Comply with legal health and safety regulations; Prevent unauthorised access. Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight. Keep away from sources of ignition. No smoking.

Requirements for storage rooms and vessels

Always keep in containers of same material as the original one. Never use pressure to empty: container is not a pressure vessel. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed. Observe label precautions.

Incompatible products

Store away from oxidising agents, from strongly alkaline and strongly acid materials.

7.3 Specific end use(s)

No data available.

Trade name: einza Härter LawiPox, für Epoxidharz-Versiegelung RAL 7032

Product no.: 0069072

Current version : 3.0.0, issued: 14.05.2025

Replaced version: 2.0.0, issued: 17.12.2021

Region: GB

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****DNEL, DMEL and PNEC values****DNEL values (worker)**

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	bis-[4-(2,3-epoxipropoxy)phenyl]propane			1675-54-3 216-823-5	
	dermal	Long term (chronic)	systemic	0.75	mg/kg bw/day
	inhalative	Long term (chronic)	systemic	4.93	mg/m ³
2	oxirane, mono[(C12-14-alkyloxy)methyl] derivs.			68609-97-2 271-846-8	
	dermal	Long term (chronic)	systemic	1	mg/kg/day
	inhalative	Long term (chronic)	systemic	3.6	mg/m ³
3	p-tert-butylphenyl 1-(2,3-epoxy)propyl ether			3101-60-8 221-453-2	
	dermal	Long term (chronic)	systemic	1	mg/kg/day
	dermal	Short term (acute)	systemic	1	mg/kg/day
	dermal	Long term (chronic)	local	1.6	µg/cm ²
	dermal	Short term (acute)	local	1.6	µg/cm ²
	inhalative	Long term (chronic)	systemic	3.5	mg/m ³
	inhalative	Short term (acute)	systemic	3.5	mg/m ³
	inhalative	Long term (chronic)	local	3.5	mg/m ³
	inhalative	Short term (acute)	local	3.5	mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	bis-[4-(2,3-epoxipropoxy)phenyl]propane			1675-54-3 216-823-5	
	oral	Long term (chronic)	systemic	0.5	mg/kg bw/day
	dermal	Long term (chronic)	systemic	89.3	µg/kg bw/day
	inhalative	Long term (chronic)	systemic	0.87	mg/m ³
2	oxirane, mono[(C12-14-alkyloxy)methyl] derivs.			68609-97-2 271-846-8	
	oral	Long term (chronic)	systemic	0.5	mg/kg bw/day
	dermal	Long term (chronic)	systemic	0.5	mg/kg/day
	inhalative	Long term (chronic)	systemic	0.87	mg/m ³
3	p-tert-butylphenyl 1-(2,3-epoxy)propyl ether			3101-60-8 221-453-2	
	dermal	Long term (chronic)	systemic	0.5	mg/kg/day
	dermal	Short term (acute)	systemic	0.5	mg/kg/day
	dermal	Long term (chronic)	local	0.95	µg/cm ²
	dermal	Short term (acute)	local	0.95	µg/cm ²
	inhalative	Long term (chronic)	systemic	1.75	mg/m ³
	inhalative	Long term (chronic)	local	1.75	mg/m ³

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	bis-[4-(2,3-epoxipropoxy)phenyl]propane		1675-54-3 216-823-5	
	water	fresh water	0.006	mg/L
	water	marine water	0.001	mg/L
	water	fresh water sediment	0.341	mg/kg dry weight
	water	marine water sediment	0.034	mg/kg dry weight
	soil	-	0.065	mg/kg dry weight
	sewage treatment plant	-	10	mg/L
	secondary poisoning	-	11	mg/kg food
2	oxirane, mono[(C12-14-alkyloxy)methyl] derivs.		68609-97-2 271-846-8	
	water	fresh water	0.106	mg/L
	water	marine water	0.011	mg/L
	water	fresh water sediment	307.16	mg/kg dry weight
	water	marine water sediment	30.72	mg/kg dry weight
	soil	-	1.234	mg/kg dry weight

Trade name: einza Härter LawiPox, für Epoxidharz-Versiegelung RAL 7032

Product no.: 0069072

Current version : 3.0.0, issued: 14.05.2025

Replaced version: 2.0.0, issued: 17.12.2021

Region: GB

	sewage treatment plant	-	10.00	mg/L
3	p-tert-butylphenyl 1-(2,3-epoxy)propyl ether		3101-60-8 221-453-2	
	water	fresh water	7.5	µg/L
	water	marine water	0.75	µg/L
	water	fresh water sediment	33.54	mg/kg dry weight
	water	marine water sediment	3.354	mg/kg dry weight
	soil	-	11.4	mg/kg dry weight
	sewage treatment plant	-	100	mg/L

8.2 Exposure controls

Appropriate engineering controls

Provide good ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Filter A2P2 (DIN EN 14387)

Eye / face protection

Wear safety goggles to protect against splashes. Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material	butyl rubber		
Material thickness	>=	0.7	mm
Breakthrough time	>	480	min
Appropriate Material	nitrile rubber		
Material thickness	>=	0.4	mm
Breakthrough time	>	480	min

Other

Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.

Environmental exposure controls

Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation	
liquid	
Form	
pasty	
Colour	
light brown	
Odour	
characteristic	
pH value	
reason for missing pH	substance/mixture is non-soluble (in water)
Boiling point / boiling range	
Value	201 °C
Melting point/freezing point	
No data available	
Decomposition temperature	
No data available	
Flash point	
Value	101 °C
Ignition temperature	

Trade name: einza Härter LawiPox, für Epoxidharz-Versiegelung RAL 7032

Product no.: 0069072

Current version : 3.0.0, issued: 14.05.2025

Replaced version: 2.0.0, issued: 17.12.2021

Region: GB

Value	455	°C	
Oxidising properties			
Not applicable			
Flammability			
Not applicable			
Lower explosion limit			
No data available			
Upper explosion limit			
No data available			
Vapour pressure			
No data available.			
Relative vapour density			
No data available			
Relative density			
No data available			
Density			
Value	1.12	g/cm³	
Reference temperature	20	°C	
Solubility in water			
Comments	emulsifiable		
Solubility			
No data available			
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	216-823-5
log Pow	2.64	-	3.78
Reference temperature			25 °C
with reference to	pH 7		
Method	OECD 117		
Source	ECHA		
2	p-tert-butylphenyl 1-(2,3-epoxy)propyl ether	3101-60-8	221-453-2
log Pow		3.59	
Reference temperature		20	°C
Method	OECD 107		
Source	ECHA		
Kinematic viscosity			
Value	1400	mPa*s	
Reference temperature	20	°C	
Type	dynamic		
Solvent separation test			
Not applicable			
Particle characteristics			
No data available			

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage and handling conditions (See section 7).

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

Trade name: einza Härter LawiPox, für Epoxidharz-Versiegelung RAL 7032

Product no.: 0069072

Current version : 3.0.0, issued: 14.05.2025

Replaced version: 2.0.0, issued: 17.12.2021

Region: GB

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.6 Hazardous decomposition products

None if stored, handled and transported properly. In case of fire: see section 5.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	216-823-5
LD50		>	2000 mg/kg bodyweight
Species		rat	
Method		OECD 420	
Source		ECHA	
2	p-tert-butylphenyl 1-(2,3-epoxy)propyl ether	3101-60-8	221-453-2
LD50		>	2000 mg/kg bodyweight
Species		rat	
Method		OECD 425	
Source		ECHA	
Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	216-823-5
LD50		>	2000 mg/kg bodyweight
Species		rat	
Method		OECD 402	
Source		ECHA	
2	p-tert-butylphenyl 1-(2,3-epoxy)propyl ether	3101-60-8	221-453-2
LD50		>	2000 mg/kg bodyweight
Species		rabbit	
Method		OECD 402	
Source		ECHA	
Acute inhalational toxicity			
No data available			
Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	216-823-5
Species		rabbit	
Method		OECD 404	
Source		ECHA	
Evaluation		low-irritant	
Evaluation/classification		The classification is according to the current version of the harmonized classification found in Annex VI of Regulation EC 1272/2008.	
Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	216-823-5
Species		rabbit	
Method		OECD 405	
Source		ECHA	
Evaluation		non-irritant	
Evaluation/classification		The classification is according to the current version of the harmonized classification found in Annex VI of Regulation EC 1272/2008.	
2	p-tert-butylphenyl 1-(2,3-epoxy)propyl ether	3101-60-8	221-453-2
Species		rabbit	
Method		OECD 405	
Source		ECHA	
Evaluation		non-irritant	
Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	216-823-5
Route of exposure		Skin	
Species		mouse	
Method		OECD 429	
Source		ECHA	
Evaluation		sensitizing	
Evaluation/classification		Based on available data, the classification criteria are met.	
2	p-tert-butylphenyl 1-(2,3-epoxy)propyl ether	3101-60-8	221-453-2

Trade name: einza Härter LawiPox, für Epoxidharz-Versiegelung RAL 7032

Product no.: 0069072

Current version : 3.0.0, issued: 14.05.2025

Replaced version: 2.0.0, issued: 17.12.2021

Region: GB

Route of exposure	Skin
Species	mouse
Method	OECD 429
Source	ECHA
Evaluation	sensitizing

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	bis-[4-(2,3-epoxipropoxy)phenyl]propane	1675-54-3	216-823-5
Type of examination	in vitro gene mutation study in bacteria		
Species	Salmonella typhimurium / Escherichia coli		
Method	OECD 472		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Route of exposure	oral		
Type of examination	In vivo mammalian germ cells - chromosome effects		
Species	mouse		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Route of exposure	oral		
Type of examination	in vivo mammalian germ cell study: gene mutation		
Species	rat		
Method	OECD 488		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	bis-[4-(2,3-epoxipropoxy)phenyl]propane	1675-54-3	216-823-5
Route of exposure	oral		
Type of examination	Two-Generation Reproduction Toxicity Study		
Species	rat		
Method	OECD 416		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Route of exposure	oral		
Type of examination	Prenatal Developmental Toxicity Study		
Species	rabbit		
Method	OECD 414		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	bis-[4-(2,3-epoxipropoxy)phenyl]propane	1675-54-3	216-823-5
Route of exposure	oral		
Type of examination	Toxicity study		
Species	rat		
Method	OECD 453		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

STOT - single exposure	
No data available	

STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	bis-[4-(2,3-epoxipropoxy)phenyl]propane	1675-54-3	216-823-5
Route of exposure	oral		
Species	rat		
Method	OECD 408		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Route of exposure	dermal		
Species	mouse		
Method	OECD 411		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Aspiration hazard	
No data available	

Endocrine disrupting properties	
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Trade name: einza Härter LawiPox, für Epoxidharz-Versiegelung RAL 7032

Product no.: 0069072

Current version : 3.0.0, issued: 14.05.2025

Replaced version: 2.0.0, issued: 17.12.2021

Region: GB

No data available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Ingestion may cause nausea, diarrhoea and vomiting. Based on the properties of the epoxy constituent(s) and considering toxicological data on similar mixtures, this mixture may be a skin sensitizer and an irritant. It contains low molecular weight epoxy constituents which are irritating to eyes, mucous membrane and skin. Repeated skin contact may lead to irritation and to sensitisation, possibly with cross-sensitisation to other epoxies. Skin contact with the mixture and exposure to spray mist and vapour should be avoided.

11.2 Information on other hazards**Other information**

No data available.

SECTION 12: Ecological information**12.1 Toxicity****Toxicity to fish (acute)**

No	Substance name	CAS no.	EC no.
1	bis-[4-(2,3-epoxipropoxy)phenyl]propane	1675-54-3	216-823-5
LC50		1.5	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		
2	p-tert-butylphenyl 1-(2,3-epoxy)propyl ether	3101-60-8	221-453-2
LC50		7.5	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		

Toxicity to fish (chronic)

No data available

Toxicity to Daphnia (acute)

No	Substance name	CAS no.	EC no.
1	bis-[4-(2,3-epoxipropoxy)phenyl]propane	1675-54-3	216-823-5
EC50		1.1	mg/l
Duration of exposure		- 2.8	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
2	p-tert-butylphenyl 1-(2,3-epoxy)propyl ether	3101-60-8	221-453-2
EC50		appr.	67.9
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)

No	Substance name	CAS no.	EC no.
1	bis-[4-(2,3-epoxipropoxy)phenyl]propane	1675-54-3	216-823-5
NOEC		0.3	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		

Toxicity to algae (acute)

No	Substance name	CAS no.	EC no.
1	bis-[4-(2,3-epoxipropoxy)phenyl]propane	1675-54-3	216-823-5
EC50		9.1	mg/l
Duration of exposure		72	h
Species	Scenedesmus capricornutum		
Method	EPA-660/3-75-009		
Source	ECHA		
2	p-tert-butylphenyl 1-(2,3-epoxy)propyl ether	3101-60-8	221-453-2
EC50		appr.	9
			mg/l

Trade name: einza Härter LawiPox, für Epoxidharz-Versiegelung RAL 7032

Product no.: 0069072

Current version : 3.0.0, issued: 14.05.2025

Replaced version: 2.0.0, issued: 17.12.2021

Region: GB

Duration of exposure	72	h
Species	Raphidocelis subcapitata	
Method	OECD 201	
Source	ECHA	

Toxicity to algae (chronic)
No data available

Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	p-tert-butylphenyl 1-(2,3-epoxy)propyl ether	3101-60-8	221-453-2
IC50	>	1000	mg/l
Duration of exposure		3	h
Species	activated sludge		
Method	OECD 209		
Source	ECHA		

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	bis-[4-(2,3-epoxipropoxy)phenyl]propane	1675-54-3	216-823-5
Type	aerobic biodegradation		
Value		5	%
Duration		28	day(s)
Method	OECD 301 F		
Source	ECHA		
Evaluation	not readily degradable		
2	p-tert-butylphenyl 1-(2,3-epoxy)propyl ether	3101-60-8	221-453-2
Value		1.1	%
Duration		28	d
Method	OECD 301 D		
Source	ECHA		

Abiotic Degradation			
No	Substance name	CAS no.	EC no.
1	bis-[4-(2,3-epoxipropoxy)phenyl]propane	1675-54-3	216-823-5
Type	Hydrolysis		
Half-life		86	h
pH value		7	
Reference temperature		25	°C
Method	OECD 111		
Source	ECHA		

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	bis-[4-(2,3-epoxipropoxy)phenyl]propane	1675-54-3	216-823-5
log Pow	2.64	-	3.78
Reference temperature		25	°C
with reference to	pH 7		
Method	OECD 117		
Source	ECHA		
2	p-tert-butylphenyl 1-(2,3-epoxy)propyl ether	3101-60-8	221-453-2
log Pow		3.59	
Reference temperature		20	°C
Method	OECD 107		
Source	ECHA		

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
Product Name	
einza Härter LawiPox, für Epoxidharz-Versiegelung RAL 7032	
PBT assessment	The components of this product are not considered to be a PBT.
vPvB assessment	The components of this product are not considered to be a vPvB.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

Trade name: einza Härter LawiPox, für Epoxidharz-Versiegelung RAL 7032

Product no.: 0069072

Current version : 3.0.0, issued: 14.05.2025

Replaced version: 2.0.0, issued: 17.12.2021

Region: GB

No data available.

12.8 Other information**Other information**

Do not allow to enter drains or water courses.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Waste code	08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
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The listed waste code numbers, according to the European Waste Catalogue, are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer. Empty containers must be scrapped or reconditioned.

SECTION 14: Transport information**14.1 UN number or ID number**

ADR/RID/ADN	UN3082
IMDG	UN3082
ICAO-TI / IATA	UN3082

14.2 UN proper shipping name

ADR/RID/ADN	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical name	bis-[4-(2,3-epoxipropoxy)phenyl]propane
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical name	bis-[4-(2,3-epoxipropoxy)phenyl]propane
ICAO-TI / IATA	Environmentally hazardous substance, liquid, n.o.s.
Technical name	bis-[4-(2,3-epoxipropoxy)phenyl]propane

14.3 Transport hazard class(es)

ADR/RID/ADN - Class	9
Label	9
Classification code	M6
Tunnel restriction code	-
Hazard identification no.	90
IMDG - Class	9
Label	9
ICAO-TI / IATA - Class	9
Label	9

14.4 Packing group

ADR/RID/ADN	III
IMDG	III
ICAO-TI / IATA	III

14.5 Environmental hazards

ADR/RID/ADN	Symbol "fish and tree"
IMDG	Symbol "fish and tree"
EmS	F-A, S-F
ICAO-TI / IATA	Symbol "fish and tree"

14.6 Special precautions for user

Transport within the user's premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations**

Trade name: einza Härter LawiPox, für Epoxidharz-Versiegelung RAL 7032

Product no.: 0069072

Current version : 3.0.0, issued: 14.05.2025

Replaced version: 2.0.0, issued: 17.12.2021

Region: GB

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. No 3
The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	bis-[4-(2,3-epoxipropoxy)phenyl]propane	1675-54-3	216-823-5	75
2	oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	271-846-8	75

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is subject to Part I of Annex I, risk category: E2

National regulations**Other national regulations**

Adhere to national regulations for proper handling and use of hazardous materials. Use appropriate personal protective equipment.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information**Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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