Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation), EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 11.09.2025 Version number 3 (replaces version 2) Revision: 11.09.2025

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

1.1 Product identifier

Trade name: KLB-SYSTEM EPOXID EP 282 WHG Component B

1.2 Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.
Application of the substance / the mixture:
Sealing
Hardener

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier:
PENETRON HELLAS S.A.
50, THRAKOMAKEDONON AV., 136 79 ACHARNES, GREECE
TEL.: +30 210 2448250 - FAX: + 30 210 2476803
Email: info@penetron.gr Site: www.penetron.gr
G.E.MI. No: 07278001000

1.4 Emergency telephone number:



European Emergency Tel.: 112

*
SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation EC No 1272/2008 CLP:



GHS05 corrosion

Skin Corr. 1B	H314 Causes severe skin burns and eye damage.
Eye Dam. 1	H318 Causes serious eye damage.



GHS07

Acute Tox. 4	H302 Harmful if swallowed.
Skin Sens. 1	H317 May cause an allergic skin reaction.
Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements
Labelling according to Regulation EC No 1272/2008 CLP:
The product is classified and labelled according to the CLP regulation.

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Hazard pictograms:



GHS05 GHS07

Signal word: Danger

Hazard-determining components of labelling:
Epoxy Resin Hardener
Benzyl alcohol
alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)-poly(oxy(methyl-1,2-ethandiyl))

Hazard statements:
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information: Contains biocides: ethanol

2.3 Other hazards

Results of PBT and vPvB assessment

The product does not contain ingredients that are considered either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

PBT: Not applicable.

vPvB: Not applicable.

Determination of endocrine-disrupting properties

The product does not contain substances included in the list established in accordance with Article 59(1) of REACH for endocrine disrupting properties or has not been identified as having endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or higher than 0.1%.

*

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture: consisting of the following components.

Ingredients according Regulation (EU) 2020/878:		
	Epoxy Resin Hardener Skin Corr. 1B, H314; Eye Dam. 1, H318; Skin Sens. 1, H317; Aquatic Chronic 3, H412	50-100%

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CAS: 100-51-6 EINECS: 202-859-9 Index number: 603-057-00-5 Reg.nr.: 01-2119492630-38-XXXX	Benzyl alcohol Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Sens. 1B, H317 ATE: LD50 oral: 1,200 mg/kg	25-50%
CAS: 90-72-2 EINECS: 202-013-9 Index number: 603-069-00-0 Reg.nr.: 01-2119560597-27-XXXX	2,4,6-tris(dimethylaminomethyl)phenol Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319	2.5-<5%
CAS: 9046-10-0 Reg.nr.: 01-2119557899-12-XXXX	alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)-poly(oxy(methyl-1,2-ethandiyl)) Skin Corr. 1B, H314; Aquatic Chronic 3, H412	2.5-<5%
CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5 Reg.nr.: 01-2119457610-43-XXXX	ethanol Flam. Liq. 2, H225; Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2; H319: C ≥ 50 %	≤2.5%

SVHC
This product does not contain candidate substances of very high concern at a concentration ≥0.1% (Regulation (EC) No 1907/2006 (REACH), Article 59)
Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures
General information:
Ensure adequate ventilation. Wear suitable protective clothing and gloves. Avoid contact with skin and eyes.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
After inhalation:
Provision of fresh air, possibly respiratory assistance, heat. If discomfort persists consult a doctor.
In case of unconsciousness place patient stably in side position for transportation.
After skin contact:
Immediately wash with water and soap and rinse thoroughly.
Remove contaminated clothing.
If skin irritation continues, consult a doctor.
After eye contact:
Rinse opened eyes for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing: Call for a doctor immediately.
4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.
4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents:
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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5.2 Special hazards arising from the substance or mixture No further relevant information available.
5.3 Advice for firefighters
Protective equipment:
Wear protective gloves / protective clothing / eye protection / face protection.
Respiratory protective device.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:
Wash hands thoroughly after handling
Wear protective goggles.
Wear protective clothing.
Avoid contact with the skin, eyes and clothing.
6.2 Environmental precautions:
Do not allow it to enter sewers/ surface or ground water. It must not penetrate the earth's waters.
6.3 Methods and material for containment and cleaning up:
Collected with liquid binders. (sand, pyrite deposits, acid binders, general binders, sawdust).
Ensure adequate ventilation.
Dispose contaminated material as waste according to section 13.
6.4 Reference to other sections:
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Prevent the formation of aerosols.
Ensure good ventilation/exhaustion at the workplace
Put on appropriate personal protective equipment (see section 8 of SDS).
Wash your hands before each break and after finishing work.
Information about fire - and explosion protection: No special measures required.
7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles:
Keep the containers closed.
Store in cool, dry conditions
Information about storage in one common storage facility:
Store away from acids, alkaline and oxidizing substances.
Further information about storage conditions: Keep container tightly sealed.
7.3 Specific end use(s) No further relevant information available.

*

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:	
CAS: 64-17-5 ethanol	
WEL (Great Britain)	Long-term value: 1920 mg/m³, 1000 ppm

DNELs
(CAS: 100-51-6) Benzyl alcohol
Workers:

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Short-term exposure, systemic effects, dermal: 40 mg/kg
Short-term exposure, systemic effects, inhalation: 110 mg/m³
Long-term exposure, systemic effects, dermal: 8 mg/kg
Long-term exposure, systemic effects, inhalation: 22 mg/m³
Consumers:
Short-term exposure, systemic effects, oral: 20 mg/kg
Short-term exposure, systemic effects, dermal: 20 mg/kg
Short-term exposure, systemic effects, inhalation: 27 mg/m³
Long-term exposure, systemic effects, oral: 4 mg/kg
Long-term exposure, systemic effects, dermal: 4 mg/kg
Long-term exposure, systemic effects, inhalation: 5,4 mg/m³
(CAS: 90-72-2) 2,4,6-tris(dimethylaminomethyl)phenol
Employees:
Short-term exposure, systemic effects, by inhalation: 2.1 mg/m³
Long-term exposure, systemic effects, inhalation: 0.53 mg/m³
Short-term exposure, systemic effects, dermal: 0.6 mg/kg bw/day
Long-term exposure, systemic effects, dermal: 0.15 mg/kg bw/day
Consumers:
Short-term exposure, systemic effects, via inhalation: 0.13 mg/m³
Long-term exposure, systemic effects, via inhalation: 0.13 mg/m³
Short-term exposure, acute systemic effects, dermal: 0.075 mg/kg bw/day
Long-term exposure, systemic effects, dermal: 0.075 mg/kg bw/day
Long-term exposure, systemic effects, oral: 0.075 mg/kg bw/day
(CAS:64-17-5) Ethanol
Employees:
Inhalation - Long-term exposure, Systemic effects: 380 mg/m³
Consumers:
Inhalation - Long-term exposure, Systemic effects: 114 mg/m³

PNECs

(CAS: 100-51-6) benzyl alcohol
Soil: 0.456 mg/kg
Sewage treatment plant: 39 mg/l
Sediment marine water: 0,527 mg/kg
Marine water: 0.1 mg/l
Sediment fresh water: 5,27 mg/kg
Fresh water: 1 mg/l
Intermittent releases: 2.3 mg/L
(CAS: 64-17-5) ethanol
Freshwater: 0.96 mg/l
Freshwater (intermittent releases): 2.75 mg/L
Marine water: 0.79 mg/l
STP (Sewage Treatment Plant): 580 mg/l
Sediment (freshwater): 3.6 mg/kg sediment dw
Sediment (marine water): 2.9 mg/kg sediment dw
Soil: 0.63 mg/kg soil dw
Secondary poisoning: 0.38 g/kg food
(CAS: 90-72-2) 2,4,6-tris(dimethylaminomethyl)phenol
Soil: 0,025 mg/kg
Waste water treatment plant: 0.2 mg/L
Marine water: 0.005 mg/L
Marine water (intermittent releases): 0.046 mg/L
Marine water sediment: 0.026 mg/kg

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Fresh water: 0.046 mg/L
Fresh water (intermittent releases): 0.46 mg/L
Freshwater sediment: 0.262 mg/kg
Additional information: The valid lists during production were used as a basis.

8.2 Exposure controls

8.2.1. Appropriate engineering controls No other recommendations, see chapter 7.

Individual protection measures, such as personal protective equipment
General protective and hygienic measures:
Keep away from food, beverages and pet food.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Immediately remove all soiled and contaminated clothing.
Respiratory protection:
Not necessary if the room is well-ventilated.
For short or low exposure use a respirator with a filter, for intense or prolonged exposure use a protective respirator regardless of the ambient air.
Hand protection
Use gloves made from durable material (e.g. Nitril) - possibly lined - for greater comfort.



Protective gloves resistant to chemicals (standard EN 374-1)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material should be made considering the penetration times, rates of diffusion and the degradation
Material of gloves
Butyl rubber, BR - 0,7 mm
Nitrile rubber, NBR- 0,4 mm
The selection of the suitable gloves does not only depend on the material. Further marks of quality vary from manufacturer to manufacturer. As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to application.
Penetration time of glove material
The exact break through time has to be determined by the manufacturer of the protective gloves and has to be observed.
The breakthrough times according to EN 374 Part III do not always apply under real conditions. A maximum usage time corresponding to 50% of the breakthrough time is recommended.
Not suitable are gloves made of the following materials: Leather gloves
Eye/face protection



Tightly sealed goggles (EN 166).

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Body protection:



Protective work clothing

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information	
Physical state	Liquid
Colour:	Yellowish
Odour:	Amine-like
Odour threshold:	Not determined
Melting point/freezing point:	Not determined
Boiling point or initial boiling point and boiling range	Not specified
Flammability	Not applicable
Lower and upper explosion limit	
Lower:	1.3 Vol %
Upper:	13 Vol %
Flash point:	70 °C
Auto-ignition temperature:	435 °C
Decomposition temperature:	Not determined
pH	Not determined
Viscosity:	
Kinematic viscosity	Not determined
Dynamic at 20 °C:	1,500-2,200 mPas
Solubility	
water:	Partly miscible
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure at 20 °C:	0.1 hPa (CAS: 100-51-6 Benzyl alcohol)
Vapour pressure at 50 °C:	0.7 hPa
Density and/or relative density	
Density at 20 °C:	1.06 g/cm³ (DIN EN ISO 2811-2)
Relative density	Not determined
Vapour density	Not determined

9.2 Other information

Appearance:	
Form:	Fluid
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Solvent content:	
Organic solvents:	38.6% %
VOC (EC)	409.2 g/l
Change in condition	Not applicable
Fusion temperature / range:	Not applicable
Oxidising properties	Not oxidising

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Evaporation rate	Not determined
Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.
10.2 Chemical stability
Thermal decomposition / conditions to be avoided
No decomposition occurs if used according to specifications.
10.3 Possibility of hazardous reactions
Exothermic polymerisation
Reacts with acids, alkalis and oxidising agents.
10.4 Conditions to avoid No further relevant information available.
10.5 Incompatible materials
Acids
Alkaline substances
Oxidizing materials
10.6 Hazardous decomposition products Irritant gases/vapours

*

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute toxicity Harmful if swallowed.

LD/LC50 values relevant for classification:		
ATE (Acute Toxicity Estimates)		
Oral	LD50	909 (rat)

CAS: 90-72-2 2,4,6-tris(dimethylaminomethyl)phenol		
Oral	LD50	2169 mg/kg (rat)
Dermal	LD50	>1 ml/kg (rat)

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CAS: 9046-10-0 alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)-poly(oxy(methyl-1,2-ethandiyl))		
Oral	LD50	480 mg/kg (rat)
Dermal	LD50	2,090 mg/kg (rabbit)
CAS: 64-17-5 ethanol		
Oral	LD50	10,470 mg/kg (rat)
Dermal	LD50	15.800 mg/kg (rabbit)
Inhalative	LC50/4 h (vapour)	50.000 mg/l (rat)
CAS: 100-51-6 benzyl alcohol		
Oral	LD50	1,200 mg/kg (ATE)
		1,620 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50(4h)	4,178 mg/m³ air (rat)
	LC50(14d)	5.1 mg/l (freshwater fish)

Specific symptoms in biological assay:
Skin corrosion/irritation Causes severe skin burns and eye damage.
Serious eye damage/irritation Causes serious eye damage.
Respiratory or skin sensitisation May cause an allergic skin reaction.
Germ cell mutagenicity Based on available data, the classification criteria are not met.
Carcinogenicity Based on available data, the classification criteria are not met.
Reproductive toxicity Based on available data, the classification criteria are not met.
STOT-single exposure Based on available data, the classification criteria are not met.
STOT-repeated exposure Based on available data, the classification criteria are not met.
Aspiration hazard Based on available data, the classification criteria are not met.
Additional toxicological information:
Repeated dose toxicity Based on available data, the classification criteria are not met.
11.2 Information on other hazards
Endocrine disrupting properties
The product does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or higher than 0,1%.

None of the ingredients is listed.

*
SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity:
CAS: 64-17-5 Ethanol
EC50 5012 mg/l (Ceriodaphnia sp.)
LC50 11200 mg/l (Fresh water fish)
857 mg/l (Artemisia salina)
275 mg/l (algae)
9,6 mg/l (daphnia magna)

CAS: 90-72-2 2,4,6-tris(dimethylaminomethyl)phenol	
EC50 (72h)	84 mg/l (Desmodesmus subspicatus)

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LC50 (96h)	718 mg/l (Invertebrate) 175 mg/l (fish)
CAS: 9046-10-0 alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)-poly(oxy(methyl-1,2-ethandiyl))	
EC50	15 mg/l (daphnia magna)
CAS: 100-51-6 benzyl alcohol	
EC50 (72h)	759 mg/l (algae)
EC50 (48h)	230 mg/l (Daphnia magna)
LC50 (96h)	>100 mg/l (Pimephales promelas)
EC10(21d)	54 mg/l (freshwater invertebrates)
NOEC(72h)	310 mg/l (algae)

12.2 Persistence and degradability No further relevant information available.
12.3 Bioaccumulative potential No further relevant information available.
12.4 Mobility in soil No further relevant information available.
12.5 Results of PBT and vPvB assessment
The product does not contain ingredients that are considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative at levels of 0.1% or higher according to REACH, Annex XIII.
PBT: Not applicable.
vPvB: Not applicable.
12.6 Endocrine disrupting properties
The product does not contain substances that are not recognised as having endocrine disrupting properties under Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 nor is it included in the list of candidate substances of very high concern under Article 59 of the EU Regulation for endocrine disrupting properties.
12.7 Other adverse effects
Remark: Harmful to fish
Additional ecological information:
General notes:
Must not reach sewage water or drainage ditch undiluted or unneutralised.
The product contains materials that are harmful to the environment.
Harmful to aquatic organisms

*
SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation



Dispose according to National Regulations.



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contact manufacturer for recycling information.
Waste disposal key:
08 04 09 - waste adhesives and sealants containing organic solvents or other dangerous substances.

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European waste catalogue	
HP6	Acute Toxicity
HP8	Corrosive
HP13	Sensitising
HP14	Ecotoxic

Uncleaned packaging:
Recommendation:
Disposal must be made according to official regulations.
Packaging may be reused or recycled after cleaning.

*

SECTION 14: Transport information

14.1 UN number or ID number
ADR, IMDG, IATA UN2735
14.2 UN proper shipping name
ADR 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (Epoxy Resin Hardener, 2,4,6-tris(dimethylaminomethyl) phenol)
IMDG, IATA AMINES, LIQUID, CORROSIVE, N.O.S. (Epoxy Resin Hardener, 2,4,6-tris(dimethylaminomethyl)phenol)
14.3 Transport hazard class(es)

ADR, IMDG, IATA



Class 8 Corrosive substances.
Label 8
14.4 Packing group
ADR, IMDG, IATA II
14.5 Environmental hazards:
Marine pollutant: No
14.6 Special precautions for user Warning: Corrosive substances.
Hazard identification number (Kemler code): 80
EMS Number: F-A,S-B
Segregation groups (SGG18) Alkalis
Stowage Category A
Segregation Code SG35 Stow "separated from" SGG1-acids
14.7 Maritime transport in bulk according to IMO instruments Not applicable.

Transport/Additional information:

ADR
Limited quantities (LQ) 1L

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Limited Quantity Marking.

Excepted quantities (EQ) Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml

Transport category 2
Tunnel restriction code E

IMDG
Limited quantities (LQ) 1L


Limited Quantity Marking.

Excepted quantities (EQ) Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml

UN "Model Regulation": UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (EPOXY RESIN HARDENER, 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL), 8, II

*
SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
REACH Regulation 1907/2006/EC
Regulation (EU) 2020/878
CLP Regulation 1272/2008/EC
Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.
Council Directive 94/33/EC on the protection of young people at work, as ammended.
Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as ammended

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.
Seveso category P5c FLAMMABLE LIQUIDS
REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

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Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

National regulations: None

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 57

It doesn't contain substances of very high concern (SVHC).

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

*
SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases
H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Training hints
Suitable training on safety in handling, storing and converting the product should be given to the employees based on all the existing information.

Classification according to Regulation (EC) No 1272/2008

Acute toxicity - oral	Expert judgement
Skin corrosion/irritation Serious eye damage/irritation Skin sensitisation Hazardous to the aquatic environment - long-term (chronic) aquatic hazard	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Department issuing SDS:

SUSTCHEM S.A.
REACH & Chemical Services Department
A: 144, 3rd Septemvriou, GR 112 51 | Athens, Greece
T: +30 210 8252510 | F: +30 210 8252575
W: www.sustchem.gr | E: info@sustchem.gr

Date of previous version: 03.07.2023
Version number of previous version: 2
Abbreviations and acronyms:
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods

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Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation), EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 11.09.2025 Version number 3 (replaces version 2) Revision: 11.09.2025

Trade name: KLB-SYSTEM EPOXID EP 282 WHG Component B

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IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
ATE: Acute toxicity estimate values
Flam. Liq. 2: Flammable liquids – Category 2
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1B: Skin sensitisation – Category 1B
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3