

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 211 ESD Component A**1.2 Relevant identified uses of the substance or mixture and uses advised against****Product category** PC9a Coatings and paints, thinners, paint removers**Application of the substance / the mixture:**

Epoxy coating

Epoxy resin

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:**

GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2

H315 Causes skin irritation.

Eye Irrit. 2

H319 Causes serious eye irritation.

Skin Sens. 1

H317 May cause an allergic skin reaction.

2.2 Label elements**Labelling according to Regulation EC No 1272/2008 CLP:**

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:

GHS07 GHS09

Signal word: Warning

(Contd. on page 2)

EN

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 211 ESD Component A

(Contd. of page 1)

Hazard-determining components of labelling:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane
 Benzyl alcohol
 1,6-bis(2,3-epoxypropoxy)hexane

Hazard statements:

H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H317 May cause an allergic skin reaction.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

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:

EUH205 Contains epoxy constituents. May produce an allergic reaction.
 EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

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 of substances listed below with nonhazardous additions.**Ingredients according Regulation (EU) 2020/878:**

CAS: 1675-54-3 EINECS: 216-823-5 Index number: 603-073-00-2 Reg.nr.: 01-2119456619-26-XXXX	2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 %	25-50%
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	2.5-<10%

(Contd. on page 3)

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 211 ESD Component A

CAS: 16096-31-4	1,6-bis(2,3-epoxypropoxy)hexane	(Contd. of page 2) 2.5-<10%
EINECS: 240-260-4	! Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Chronic 3, H412	
Reg.nr.: 01-2119463471-41-XXXX		

SVHC

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (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****After inhalation:**

Supply fresh air and for certainty contact 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.

In case of discomfort, consult a doctor.

After eye contact:

Immediately rinse the eyes with plenty of water, alternately lifting the upper and lower eyelids.

Check and remove contact lenses if any.

Continue to rinse for at least 10 minutes.

Seek medical attention if irritation occurs.

Avoid strong water jet-risk of cornea damage, consult a doctor.

After swallowing:

Immediately rinse the mouth with water.

If the discomfort persists, consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

Hazards May cause an allergic skin reaction.

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: Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters

Protective equipment: Use of protective clothes and respiratory device is being recommended in case of fire.

Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures:**

Not required.

Avoid contact with skin and eyes.

(Contd. on page 4)

EN

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 211 ESD Component A

(Contd. of page 3)

Ensure adequate ventilation.

Avoid inhalation of vapors or spray.

6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

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:

Ensure adequate ventilation.

Collected with liquid binders. (sand, pyrite deposits, acid binders, general binders, sawdust).

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

Ensure good ventilation/exhaustion at the workplace

Prevent the formation of aerosols.

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: No special requirements.

Information about storage in one common storage facility:

Store separately from alcohols, amines, acidic and alkaline solutions.

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:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs

(CAS: 100-51-6) Benzyl alcohol

Workers:

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: 1675-54-3) Bis[4-(2,3-Epoxypropoxy)Phenyl]Propane

Employees:

Inhalation - Long-term exposure, Systemic effects: 4,93 mg/m³

Skin - Long-term exposure, Systemic effects: 0.75 mg/kg bw/d

Consumers:

(Contd. on page 5)

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 211 ESD Component A

(Contd. of page 4)

Inhalation - Long-term exposure, Systemic effects: 0.87 mg/m³

Skin - Long-term exposure, Systemic effects: 89,3 µg/kg bw/d

Oral - Long-term exposure, Systemic effects: 0,5 mg/kg bw/d

PNECs

(CAS: 100-51-6) Benzyl alcohol

Fresh water: 1 mg/L

Fresh water (intermittent releases): 2.3 mg/L

Marine water: 0.1 mg/L

STP: 39 mg/L

Sediment (fresh water): 5.27 mg/kg sediment dw

Sediment (marine water): 0.527 mg/kg sediment dw

Soil: 0.456 mg/kg soil dw

(CAS: 1675-54-3) Bis[4-(2,3-epoxypropoxy)Phenyl]Propane

STP: 10 mg/l

Fresh water: 0,006 mg/l

Fresh water (intermittent releases): 0,018 mg/L

Sediment (freshwater): 0,341 mg/kg sediment dw

Marine water: 0,001 mg/l

Sediment (marine water): 0,034 mg/kg sediment dw

Soil: 0,065 mg/kg soil dw

Secondary poisoning: 11 mg/kg food

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.

Immediately remove all soiled and contaminated clothing.

Do not inhale gases / fumes / aerosols.

Avoid contact with skin and eyes.

Respiratory protection:

Not necessary if the room is well-ventilated.



In case of insufficient ventilation, use a respirator.

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

(Contd. on page 6)

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 211 ESD Component A

(Contd. of page 5)

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.

Eye/face protection

Tightly sealed goggles (EN 166).

Body protection:

Protective work clothing

Environmental exposure controls

Prevent the product from entering into drains, surface, groundwater and soil.

Do not release the product into the environment without control.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties**General Information****Physical state**

Liquid

Colour:

Different according to colouring

Odour:

Characteristic

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:**

Not determined

Upper:

Not determined

Flash point:

>100 °C

Auto-ignition temperature:

435 °C

Decomposition temperature:

Not determined

pH

Not determined

Viscosity:**Kinematic viscosity**

Not determined

Dynamic at 20 °C:

2,500 mPas (DIN EN ISO 3219)

Solubility**water:**

Not soluble or slightly soluble

Partition coefficient n-octanol/water (log value)

Not determined

(Contd. on page 7)

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 211 ESD Component A

(Contd. of page 6)

Vapour pressure:	Not determined
Density and/or relative density	
Density at 20 °C:	1.51 g/cm ³ (DIN EN IO 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:****VOC (EC)** 0.0 g/l**Change in condition** Not applicable**Fusion temperature / range:** Not applicable**Oxidising properties** Not oxidising**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 alcohols, amines, aqueous acids and alkalis.

10.4 Conditions to avoid No further relevant information available.**10.5 Incompatible materials** No further relevant information available.

(Contd. on page 8)

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 211 ESD Component A

(Contd. of page 7)

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 Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Oral	LD50	12,000-48,000 mg/kg
------	------	---------------------

CAS: 1675-54-3 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane

Oral	LD50	>2,000 mg/kg (rat)
------	------	--------------------

Dermal	LD50	>2,000 mg/kg (rabbit)
--------	------	-----------------------

CAS: 16096-31-4 1,6-bis(2,3-epoxypropoxy)hexane

Oral	LD50	2190 mg/kg (rat)
------	------	------------------

Dermal	LD50	>2000 mg/kg (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/m ³ air (rat)
		LC50(14d)

Specific symptoms in biological assay:

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye irritation.

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

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

CAS: 1675-54-3 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane

EC50 (72h)	>11 mg/l (algae)
------------	------------------

EC50 (48h)	1.8 mg/l (Daphnia magna)
------------	--------------------------

(Contd. on page 9)

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 211 ESD Component A

(Contd. of page 8)

LC50 (96h) 2 mg/l (Oncorhynchus mykiss)

NOEC (21d) 0.3 mg/l (Daphnia magna)

NOEC(72h) 4.2 mg/l (Daphnia magna)

CAS: 16096-31-4 1,6-bis(2,3-epoxypropoxy)hexane

EC (48h) 23.1 mg/l (algae)

EC50(48h) 47 mg/l (daphnia magna)

LC50(96h) 30 mg/l (for)

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**

For information on endocrine disruption properties, see sections 2.3 & 11.2.

12.7 Other adverse effects**Remark:** Toxic for fish**Additional ecological information:****General notes:**

It must not enter ground water, be discharged into the aquatic environment or into the sewers.

Dangerous for drinking water even when small quantities are released into the ground.

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.

(Contd. on page 10)

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 211 ESD Component A

(Contd. of page 9)

European waste catalogue

HP4	Irritant - skin irritation and eye damage
HP13	Sensitising
HP14	Ecotoxic

Uncleaned packaging:**Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information****14.1 UN number or ID number****ADR, IMDG, IATA**

UN3082

14.2 UN proper shipping name**ADR**

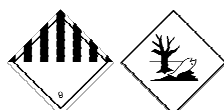
3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane)

IMDG

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane), MARINE POLLUTANT

IATA

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane)

14.3 Transport hazard class(es)**ADR, IMDG, IATA****Class**

9 Miscellaneous dangerous substances and articles.

Label

9

14.4 Packing group**ADR, IMDG, IATA**

III

14.5 Environmental hazards:**Marine pollutant:**

Environmental Hazardous

Yes

Symbol (fish and tree)

Symbol (fish and tree)

Symbol (fish and tree)

Special marking (ADR):**Special marking (IATA):****14.6 Special precautions for user**

Warning: Miscellaneous dangerous substances and articles.

Hazard identification number (Kemler code):

90

EMS Number:

F-A,S-F

Stowage Category

A

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

(Contd. on page 11)

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 211 ESD Component A

(Contd. of page 10)

Transport/Additional information:**ADR**

Limited quantities (LQ) 5L



Limited Quantity Marking.

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

Transport category

3

Tunnel restriction code

(-)

IMDG

Limited quantities (LQ) 5L



Limited Quantity Marking.

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

UN "Model Regulation":

UN 3082 ENVIRONMENTALLY HAZARDOUS
 SUBSTANCE, LIQUID, N.O.S. (2,2'-[(1-
 METHYLETHYLIDENE)BIS(4,1-
 PHENYLENEOXYMETHYLENE)]BISOXIRANE), 9,
 III

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 amended.

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 amended

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category E2 Hazardous to the Aquatic Environment

Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

(Contd. on page 12)

EN

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 211 ESD Component A

(Contd. of page 11)

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.

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:

Information about limitation of use:

Employment restrictions concerning pregnant and lactating women must be observed.

Employment restrictions concerning juveniles must be observed.

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

H302 Harmful if swallowed.

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.

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

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.

(Contd. on page 13)

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 211 ESD Component A

(Contd. of page 12)

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: 29.06.2023**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

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

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

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 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

EN