

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

Printing date 05.02.2026

Version number 5 (replaces version 4)

Revision: 05.02.2026

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name:** PENEPOX™ SF PRIMER Component B**UFI:** KWA0-H0YU-Y00Y-UAUH**1.2 Relevant identified uses of the substance or mixture and uses advised against Professional use****Application of the substance / the mixture:** Waterproofing coating**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.

**Hazard pictograms:**

GHS05

GHS07

**Signal word:** Danger

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**Hazard-determining components of labelling:**

Benzyl alcohol

4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine

3-aminomethyl-3,5,5-trimethylcyclohexylamine

**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:**

P102 Keep out of reach of children.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P302+P352 IF ON SKIN: Wash with plenty of water and soap.

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.

**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**

CAS: 69-72-7 salicylic acid

List II; III

**SECTION 3: Composition/information on ingredients****3.2 Mixtures****Description:** Mixture: consisting of the following components.**Ingredients according Regulation (EU) 2020/878:**

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	>60-<70%
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CAS: 38294-64-3 NLP: 500-101-4 Reg.nr.: 01-2119965165-33-XXXX	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318; ⚠ Skin Sens. 1, H317; Aquatic Chronic 3, H412	>35-<45%
CAS: 2855-13-2 EINECS: 220-666-8 Index number: 612-067-00-9 Reg.nr.: 01-2119514687-32-XXXX	3-aminomethyl-3,5,5-trimethylcyclohexylamine ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Sens. 1A, H317 ATE: LD50 oral: 1,030 mg/kg Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.001 %	>2.5-<4%
CAS: 69-72-7 EINECS: 200-712-3 Index number: 607-732-00-5	salicylic acid ⚠ Repr. 2, H361d; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302 Substance identified as having endocrine disrupting properties (II; III)	>0.1-<0.25%

**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:**

Take affected persons out into the fresh air.  
Seek immediate medical advice.

**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:**

Remove contaminated clothing.  
Immediately wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.

**After eye contact:**

Rinse opened eye for at least 15 minutes under running water.  
Remove contact lenses and continue rinsing for several minutes  
If symptoms persist, consult a doctor.  
Avoid strong water jet-risk of cornea damage, consult a doctor.

**After swallowing:**

Do not induce vomiting; call for medical help immediately.  
Drink plenty of water and provide fresh air. Call for a doctor immediately.  
Consult the doctor immediately and show the label or this Safety Data Sheet.

**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.

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**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray.**For safety reasons unsuitable extinguishing agents:** Water with full jet**5.2 Special hazards arising from the substance or mixture**

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)**5.3 Advice for firefighters****Protective equipment:** Self-contained breathing apparatus and protective clothing in case of fire.**Additional information**

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:**

Wear protective equipment. Keep unprotected persons away.

Avoid inhalation of vapors.

Wear protective clothing.

Avoid contact with skin and eyes.

**6.1.1 For non-emergency personnel** Avoid contact with dripping or leaking material.**6.1.2 For emergency responders**

First-aid responders must wear protective clothing, gloves, goggles and respiratory device with filter type A.

**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:**

Collect with absorbent material (sand, diatomite).

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**

Ensure good ventilation/exhaustion at the workplace.

Avoid contact with the eyes and skin

Avoid inhaling vapors.

Do not eat, drink or smoke when using this product.

Wash your hands before each break and after finishing work.

Wash contaminated clothes before reusing them.

**Information about fire - and explosion protection:**

Keep away from heat, sparks, open flames and hot surfaces.

**7.2 Conditions for safe storage, including any incompatibilities****Storage:** Store in well-sealed containers and in well-ventilated areas. Keep it cool.**Requirements to be met by storerooms and receptacles:** Store in a cool location.**Further information about storage conditions:**

Keep container tightly sealed.

Protect from heat and direct sunlight.

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**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**

Oral	DNEL General Population (long term exposure - systemic effect)	4 mg/kg bw/d (human)
	DNEL General Population (acute\short term exposure - systemic effect)	20 mg/kg bw/d (human)
Dermal	DNEL Workers (long term exposure - systemic effect)	8 mg/kg bw/d (human)
	DNEL Workers (short term exposure - systemic effect)	40 mg/kg bw/d (human)
	DNEL General Population (long term exposure - systemic effect)	4 mg/kg bw/d (human)
Inhalative	DNEL General Population (acute/short term exposure - systemic effect)	20 mg/kg bw/d (human)
	DNEL Workers (long term exposure - systemic effect)	22 mg/m <sup>3</sup> (human)
	DNEL Workers (short term exposure - systemic effect)	110 mg/m <sup>3</sup> (human)
	DNEL General Population (long term exposure - systemic effect)	5.4 mg/m <sup>3</sup> (human)
	DNEL General Population (acute/short term exposure - systemic effect)	27 mg/m <sup>3</sup> (human)

**CAS: 38294-64-3 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine**

Oral	DNEL (µg/kg) General Popul. (long-term\ systemic)	50 µg/kg bw/d (human)
Dermal	DNEL Workers (long term exposure - systemic effect)	0.14 mg/kg bw/d (human)
	DNEL General Population (long term exposure - systemic effect)	50 µg/kg bw/d (human)
Inhalative	DNEL Workers (long term exposure - systemic effect)	0.493 mg/m <sup>3</sup> (human)
	DNEL General Population (long term exposure - systemic effect)	74 µg/m <sup>3</sup> (human)

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**CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine**

Oral	DNEL General Population (long term exposure - systemic effect)	0.3 mg/kg bw/d (human)
	DNEL General Population (acute/short term exposure - systemic effect)	0.3 mg/kg bw/d (human)
Inhalative	DNEL Workers (long term exposure - local effect)	0.073 mg/m <sup>3</sup> (human)
	DNEL Workers (acute/short term exposure - local effect)	0.073 mg/m <sup>3</sup> (human)

**PNECs****CAS: 100-51-6 Benzyl alcohol**

PNEC freshwater	1 mg/l
PNEC freshwater (intermittent releases)	2.3 mg/l
PNEC marinewater	0.1 mg/l
PNEC sediment freshwater	5.27 mg/kg dw
PNEC sediment marinewater	0.527 mg/kg dw
PNEC soil	0.456 mg/kg dw
PNEC STP	39 mg/l

**CAS: 38294-64-3 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine**

Oral	PNEC secondary poisoning	1 mg/kg
	PNEC freshwater	0.011 mg/l
	PNEC freshwater (intermittent releases)	0.111 mg/l
	PNEC marinewater	0.001 mg/l
	PNEC sediment freshwater	4,320 mg/kg dw
	PNEC sediment marinewater	432 mg/kg dw
	PNEC soil	864 mg/kg dw
	PNEC STP	10 mg/l

**CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine**

PNEC freshwater	0.06 mg/l
PNEC freshwater (intermittent releases)	0.23 mg/l
PNEC marinewater	0.006 mg/l
PNEC sediment freshwater	5.784 mg/kg dw
PNEC sediment marinewater	0.578 mg/kg dw
PNEC soil	1.121 mg/kg dw
PNEC STP	3.18 mg/l

**8.2 Exposure controls****8.2.1. Appropriate engineering controls** Provide adequate ventilation.

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### 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.

Remove contaminated clothes and wash before reusing them.

Do not breathe vapours or mists.

Do not eat, drink or smoke while using the product.

#### Respiratory protection:



Use suitable respiratory protective device in case of insufficient ventilation. Respiratory protection required in insufficiently ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of charcoal filter and particulate filter A2-P2 (EN529) is recommended.

#### Hand protection



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

Hand protection when handling the product at room temperature:

Butyl rubber - IIR: thickness  $\geq 0,5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Fluorinated rubber - FKM: thickness  $\geq 0,4\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Recommendation: contaminated gloves should be disposed of.

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

$\geq 480$  minutes

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



Safety glasses with side-shields (frame goggles) (e.g. EN 166)

#### Body protection:



Chemically resistant, protective work clothing (EN 14605) and boots.

## \* SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

Physical state

Liquid

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<b>Colour:</b>	transparent/yellowish
<b>Odour:</b>	Not determined
<b>Odour threshold:</b>	Not determined
<b>Melting point/freezing point:</b>	Not determined
<b>Boiling point or initial boiling point and boiling range</b>	Not specified
<b>Flammability</b>	Not applicable
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not determined
<b>Upper:</b>	Not determined
<b>Flash point:</b>	Not specified
<b>Auto-ignition temperature:</b>	Not specified
<b>Decomposition temperature:</b>	Not determined
<b>pH</b>	Not determined
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not determined
<b>Dynamic:</b>	Not determined
<b>Solubility</b>	
<b>water:</b>	Not miscible
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined
<b>Vapour pressure:</b>	Not determined
<b>Density and/or relative density</b>	
<b>Density at 20 °C:</b>	1.03 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined
<b>Vapour density</b>	Not determined

**9.2 Other information****Appearance:****Form:** Liquid**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)** 30 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

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<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void
<b>Desensitised explosives</b>	Void

### SECTION 10: Stability and reactivity

**10.1 Reactivity** No further relevant information available.

**10.2 Chemical stability**

**Thermal decomposition / conditions to be avoided** Stable at environment temperature.

**10.3 Possibility of hazardous reactions** No dangerous reactions known.

**10.4 Conditions to avoid** Avoid heat, sparkles, naked flame or other sources of ignition.

**10.5 Incompatible materials** No further relevant information available.

**10.6 Hazardous decomposition products**

Carbon dioxide (CO<sub>2</sub>)

Carbon Monoxide (CO)

### \* 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	>1.480-<2.020 mg/kg (ATE)
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**CAS: 100-51-6 Benzyl alcohol**

Oral	LD50	1,200 mg/kg (ATE)
		1,620 mg/kg (rat)
Inhalative	LC50/4h	>4.178 mg/l (rat)
	LC50	4,178 mg/m <sup>3</sup> (rat)
	LC50(4h)	>4,178 mg/m <sup>3</sup> air (rat)

**CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine**

Oral	LD50	1,030 mg/kg (ATE)
		1,030 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50(4h)	5,010 mg/m <sup>3</sup> air (rat)

**CAS: 69-72-7 salicylic acid**

Oral	LD50	891 mg/kg (rat)
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**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.

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**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.

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**

CAS: 69-72-7 salicylic acid

List II; III

\* **SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity:**

**CAS: 100-51-6 Benzyl alcohol**

EC50 (72h) 759 mg/l (aquatic algae and cyanobacteria)

770 mg/l (algae)

EC50 (48h) >100 mg/l (Daphnia magna)

230 mg/l (freshwater invertebrates)

LC50(96h) >100 mg/l (Pimephales promelas)

100 mg/l (fish)

NOEC (21d) 51 mg/l (aquatic invertebrates)

EC50(24h) 390 mg/l (microorganisms)

NOEC(72h) 310 mg/l (algae)

NOEC (14d) 5.1 mg/l (fish)

**CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine**

LC50(96h) 110 mg/l (Leuciscus Idus)

NOEC (21d) 3 mg/l (Daphnia magna)

**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**

The product does not contain substances listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

**Remark:** Harmful to fish

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**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.

**European waste catalogue**

HP6	Acute Toxicity
HP8	Corrosive
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**

UN1760

**14.2 UN proper shipping name**

**ADR**

UN1760 CORROSIVE LIQUID, N.O.S. (4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine, ISOPHORONEDIAMINE)

**IMDG, IATA**

CORROSIVE LIQUID, N.O.S. (4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine, ISOPHORONEDIAMINE)

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**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

**14.7 Maritime transport in bulk according to IMO instruments** Not applicable

**Transport/Additional information:****ADR**

**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

**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 1760 CORROSIVE LIQUID, N.O.S. (4,4'-ISOPROPYLIDENEDIPHENOL, OLIGOMERIC REACTION PRODUCTS WITH 1-CHLORO-2,3-EPOXYPROPANE, REACTION PRODUCTS WITH 3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE, ISOPHORONEDIAMINE), 8, II

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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 05.02.2026

Version number 5 (replaces version 4)

Revision: 05.02.2026

**Trade name:** PENEPOX™ SF PRIMER Component B

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\* **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** The substance is not included in Annex I.

**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.

**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**

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H361d Suspected of damaging the unborn child.

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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  
 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:**

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**Version number of previous version: 4****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 Corr. 1B: Skin corrosion/irritation – Category 1B  
 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. 1A: Skin sensitisation – Category 1A  
 Skin Sens. 1B: Skin sensitisation – Category 1B  
 Repr. 2: Reproductive toxicity – Category 2  
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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