

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

Printing date 21.04.2026

Version number 4 (replaces version 3)

Revision: 21.04.2026

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

1.1 Product identifier

Trade name: PENECOAT™ POOL

UFI: G1D0-30Y0-Y00D-FSEC

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: Aliphatic Flexible Protective Pool 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.M.I. 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:



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08 health hazard

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS07

Acute Tox. 4 H312 Harmful in contact with skin.

Acute Tox. 4 H332 Harmful if inhaled.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H335 May cause respiratory irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

(Contd. on page 2)

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

Printing date 21.04.2026

Version number 4 (replaces version 3)

Revision: 21.04.2026

Trade name: PENECOAT™ POOL

(Contd. of page 1)

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:

GHS02 GHS07 GHS08

Signal word: Danger**Hazard-determining components of labelling:**

Reaction mass of ethylbenzene and m-xylene and p-xylene

Hazard statements:

- H226 Flammable liquid and vapour.
 H312+H332 Harmful in contact with skin or if inhaled.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.
 H373 May cause damage to organs through prolonged or repeated exposure.
 H304 May be fatal if swallowed and enters airways.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

- P102 Keep out of reach of children.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 P331 Do NOT induce vomiting.
 P302+P352 IF ON SKIN: Wash with plenty of water and soap.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P403+P235 Store in a well-ventilated place. Keep cool.
 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 a concentration equal to or greater than 0,1 % w/w

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

(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 21.04.2026

Version number 4 (replaces version 3)

Revision: 21.04.2026

Trade name: PENECOAT™ POOL

Commission Regulation (EU) 2018/605 at a concentration equal to or higher than 0.1%.

(Contd. of page 2)

SECTION 3: Composition/information on ingredients

3.2 Mixtures**Description:** Mixture: consisting of the following components.**Ingredients according Regulation (EU) 2020/878:**

EC number: 905-562-9 Reg.nr.: 01-2119488216-32-XXXX	Reaction mass of ethylbenzene and m-xylene and p-xylene Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412 Specific concentration limit: STOT RE 2; H373: C ≥ 10 %	>60-<80%
EC number: 945-730-9	Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phenyl phosphate and triphenyl phosphate Aquatic Acute 1, H400; Aquatic Chronic 3, H412	>2.5-<5%
CAS: 108-88-3 EINECS: 203-625-9 Index number: 601-021-00-3	Toluene Flam. Liq. 2, H225; Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336 substance with a Community workplace exposure limit	>0.1-<1%
CAS: 13463-67-7 EINECS: 236-675-5 Reg.nr.: 01-2119489379-17-XXXX	titanium dioxide substance with a Community workplace exposure limit	>5-<10%

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.

Seek medical treatment in case of complaints.

After skin contact:

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.

Protect unharmed eye.

Seek immediate medical advice.

(Contd. on page 4)

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

Printing date 21.04.2026

Version number 4 (replaces version 3)

Revision: 21.04.2026

Trade name: PENECOAT™ POOL

(Contd. of page 3)

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.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:** CO₂, 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 (CO₂)**5.3 Advice for firefighters****Protective equipment:**

Respiratory protective device.

Wear fully protective suit.

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.

Keep away from ignition sources.

6.2 Environmental precautions:

Do not allow to penetrate the ground/soil.

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.

Absorb liquid components with liquid-binding material.

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**

No special precautions are necessary if used correctly.

Ensure good ventilation/exhaustion at the workplace.

(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 21.04.2026

Version number 4 (replaces version 3)

Revision: 21.04.2026

Trade name: PENECOAT™ POOL

(Contd. of page 4)

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Store away from sources of ignition

Provide ventilation for receptacles.

Information about storage in one common storage facility: Stored away from oxidizing agents.**Further information about storage conditions:**

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

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: 13463-67-7 titanium dioxide**

WEL (United Kingdom)	Long-term value: 10* 4** mg/m ³ *total inhalable **respirable
----------------------	---

CAS: 108-88-3 Toluene

IOELV (EU)	Short-term value: 384 mg/m ³ , 100 ppm Long-term value: 192 mg/m ³ , 50 ppm Skin
WEL (United Kingdom)	Short-term value: 384 mg/m ³ , 100 ppm Long-term value: 191 mg/m ³ , 50 ppm Sk

CAS: 108-83-8 2,6-dimethylheptan-4-one

WEL (United Kingdom)	Long-term value: 148 mg/m ³ , 25 ppm
----------------------	---

CAS: 546-93-0 magnesium carbonate

WEL (United Kingdom)	Long-term value: 10* 4** mg/m ³ *inhalable dust **respirable dust
----------------------	---

DNELs**Reaction mass of ethylbenzene and m-xylene and p-xylene**

Oral	DNEL General Population (long term exposure - systemic effect)	5 mg/kg bw/d (human)
Dermal	DNEL Workers (long term exposure - systemic effect)	212 mg/kg bw/d (human)

(Contd. on page 6)

EN

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

Printing date 21.04.2026

Version number 4 (replaces version 3)

Revision: 21.04.2026

Trade name: PENECOAT™ POOL

(Contd. of page 5)

Inhalative	DNEL General Population (long term exposure - systemic effect)	125 mg/kg bw/d (human)
	DNEL Workers (long term exposure - systemic effect)	221 mg/m ³ (human)
	DNEL Workers (short term exposure - systemic effect)	442 mg/m ³ (human)
	DNEL Workers (long term exposure - local effect)	221 mg/m ³ (human)
	DNEL General Population (long term exposure - systemic effect)	65.3 mg/m ³ (human)
	DNEL General Population (acute/short term exposure - local effect)	260 mg/m ³ (human)
	DNEL General Population (long term exposure - local effect)	65.3 mg/m ³ (human)
	DNEL General Population (acute/short term exposure - systemic effect)	260 mg/m ³ (human)
	DNEL Workers (acute/short term exposure - local effect)	442 mg/m ³ (human)

CAS: 13463-67-7 titanium dioxide

Inhalative	DNEL Workers (long term exposure - local effect)	1.25 mg/m ³ (human)
	DNEL General Population (long term exposure - local effect)	210 µg/m ³ (human)

Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phenyl phosphate and triphenyl phosphate

Oral	DNEL General Population (long term exposure - systemic effect)	0.25 mg/kg bw/d (human)
	DNEL General Population (acute/short term exposure - systemic effect)	2 mg/kg bw/d (human)
Dermal	DNEL Workers (long term exposure - systemic effect)	0.5 mg/kg bw/d (human)
	DNEL General Population (long term exposure - systemic effect)	0.25 mg/kg bw/d (human)
Inhalative	DNEL Workers (long term exposure - systemic effect)	3.5 mg/m ³ (human)
	DNEL General Population (long term exposure - systemic effect)	0.875 mg/m ³ (human)

CAS: 108-88-3 Toluene

Oral	DNEL General Population (long term exposure - systemic effect)	2.69 mg/kg bw/d (human)
Dermal	DNEL Workers (long term exposure - systemic effect)	150 mg/kg bw/d (human)

(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 21.04.2026

Version number 4 (replaces version 3)

Revision: 21.04.2026

Trade name: PENECOAT™ POOL

(Contd. of page 6)

Inhalative	DNEL General Population (long term exposure - systemic effect)	75 mg/kg bw/d (human)
	DNEL General Population (long term exposure - local effect)	0.1 mg/cm ² (human)
	DNEL Workers (long term exposure - local effect)	0.188 mg/cm ² (human)
	DNEL Workers (long term exposure - systemic effect)	75.37 mg/m ³ (human)
	DNEL Workers (short term exposure - systemic effect)	377 mg/m ³ (human)
	DNEL Workers (long term exposure - local effect)	75.37 mg/m ³ (human)
	DNEL General Population (long term exposure - systemic effect)	18.9 mg/m ³ (human)
	DNEL General Population (acute/short term exposure - local effect)	188.5 mg/m ³ (human)
	DNEL General Population (long term exposure - local effect)	18.9 mg/m ³ (human)
	DNEL General Population (acute/short term exposure - systemic effect)	188.5 mg/m ³ (human)
	DNEL Workers (acute/short term exposure - local effect)	377 mg/m ³ (human)

PNECs**Reaction mass of ethylbenzene and m-xylene and p-xylene**

	PNEC freshwater	0.044 mg/l
	PNEC freshwater (intermittent releases)	0.01 mg/l
	PNEC marinewater	0.004 mg/l
	PNEC sediment freshwater	2.52 mg/kg dw
	PNEC sediment marinewater	0.252 mg/kg dw
	PNEC soil	0.852 mg/kg dw
	PNEC STP	1.6 mg/l
	PNEC marinewater (intermittent releases)	0.001 mg/l

Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phenyl phosphate and triphenyl phosphate

Oral	PNEC secondary poisoning	267 mg/kg
	PNEC freshwater	0.002 mg/l
	PNEC freshwater (intermittent releases)	0.005 mg/l
	PNEC marinewater	0 mg/l
	PNEC sediment freshwater	3.43 mg/kg dw
	PNEC sediment marinewater	0.343 mg/kg dw
	PNEC soil	0.68 mg/kg dw
	PNEC marinewater (intermittent releases)	0.001 mg/l

(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 21.04.2026

Version number 4 (replaces version 3)

Revision: 21.04.2026

Trade name: PENECOAT™ POOL

(Contd. of page 7)

CAS: 108-88-3 Toluene

PNEC freshwater	0.68 mg/l
PNEC freshwater (intermittent releases)	0.68 mg/l
PNEC marinewater	0.68 mg/l
PNEC sediment freshwater	16.39 mg/kg dw
PNEC sediment marinewater	16.39 mg/kg dw
PNEC soil	2.89 mg/kg dw
PNEC STP	13.61 mg/l

8.2 Exposure controls**8.2.1. Appropriate engineering controls** Provide adequate ventilation.**Individual protection measures, such as personal protective equipment****General protective and hygienic measures:**

Keep away from food, beverages and pet food.

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

Remove contaminated clothes and wash before reusing them.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

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.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

Penetration time ≥ 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.

(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 21.04.2026

Version number 4 (replaces version 3)

Revision: 21.04.2026

Trade name: PENECOAT™ POOL

(Contd. of page 8)

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
Colour:	Various colours
Odour:	Characteristic
Odour threshold:	Not determined
Melting point/freezing point:	Not determined
Boiling point or initial boiling point and boiling range	Not specified
Flammability	Flammable.
Lower and upper explosion limit	
Lower:	Not determined
Upper:	Not determined
Flash point:	27 °C (Reaction mass of ethylbenzene and m-xylene and p-xylene)
Auto-ignition temperature:	Not specified
Decomposition temperature:	Not determined
pH	Not determined
Viscosity:	
Kinematic viscosity	Not determined
Dynamic:	Not determined
Solubility	
water:	Not miscible
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure:	Not determined
Density and/or relative density	
Density at 20 °C:	1.1 g/cm ³
Relative density	Not determined
Vapour density	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 is not explosive. However, formation of explosive air/vapour mixtures are possible.

(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 21.04.2026

Version number 4 (replaces version 3)

Revision: 21.04.2026

Trade name: PENECOAT™ POOL

(Contd. of page 9)

Solvent content:

VOC (EC)	499 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	Flammable liquid and vapour.
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** 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** Oxidising agents**10.6 Hazardous decomposition products** Carbon monoxide and carbon dioxide

*

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity** Harmful in contact with skin or if inhaled.**LD/LC50 values relevant for classification:****ATE (Acute Toxicity Estimates)**

Dermal	LD50	1,786 mg/kg
Inhalative	LC50/4 h (vapour)	17.9 mg/l

Reaction mass of ethylbenzene and m-xylene and p-xylene

Oral	LD50	12126 mg/kg (rabbit)
		3523 mg/kg (rat)

(Contd. on page 11)

EN

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

Printing date 21.04.2026

Version number 4 (replaces version 3)

Revision: 21.04.2026

Trade name: PENECOAT™ POOL

(Contd. of page 10)

Inhalative	LC50(4h)	27,124 mg/m ³ air (rat)
CAS: 13463-67-7 titanium dioxide		
Oral	LD50	>5,000 mg/kg (rat)
Inhalative	LC50/4 h (vapour)	>6.82 mg/l (rat)
Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phenyl phosphate and triphenyl phosphate		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
CAS: 108-88-3 Toluene		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50	384 mg/m ³ (rat)

Specific symptoms in biological assay:**Skin corrosion/irritation** Causes skin irritation.**Serious eye damage/irritation** Causes serious eye irritation.**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.**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**

The product is classified as Specific Target Organ Toxicity after single exposure Category 3

May cause respiratory irritation.

STOT-repeated exposure

STOT Repeated Exposure Category 2

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

The product is classified Aspiration toxicity Category 1

May be fatal if swallowed and enters airways.

11.2 Information on other hazards**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%.

None of the ingredients is listed.

*

SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity:****Reaction mass of ethylbenzene and m-xylene and p-xylene**

EC50 (72h)	4.6-4.9 mg/l (algae)
EC50 (48h)	10.389 mg/l (Daphnia magna)
LC50(96h)	>2.6 mg/l (fish)

(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 21.04.2026

Version number 4 (replaces version 3)

Revision: 21.04.2026

Trade name: PENECOAT™ POOL

(Contd. of page 11)

CAS: 13463-67-7 titanium dioxide

EC50 (72h)	100 mg/l (algae)
EC50 (48h)	2.41-103.9 mg/l (Daphnia magna)
LC50(96h)	1 mg/l (fish)
NOEC(72h)	100 mg/l (algae)
NOEC (21d)	5 mg/l (Daphnia magna)
NOEC (14d)	0.87-1.1 mg/l (fish)

Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phenyl phosphate and triphenyl phosphate

EC50 (72h)	0.55 mg/l (algae)
LC50(96h)	8.1-11.5 mg/l (fish)
LC50(24h)	4 mg/l (Daphnia magna)

CAS: 108-88-3 Toluene

EC50 (48h)	3.78 mg/l (Ceriodaphnia dubia)
LC50(96h)	5.5 mg/l (Oncorhynchus kisutch)
EC50(3h)	134 mg/L (Chlorella vulgaris)
NOEC (7d)	0.74 mg/L (Ceriodaphnia dubia)

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 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%.

12.7 Other adverse effects**Remark:** Harmful to fish**Additional ecological information:****General notes:**

The product contains materials that are harmful to the environment.

Harmful to aquatic organisms

— EN —

(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 21.04.2026

Version number 4 (replaces version 3)

Revision: 21.04.2026

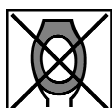
Trade name: PENECOAT™ POOL

(Contd. of page 12)

*

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

HP3	Flammable
HP4	Irritant - skin irritation and eye damage
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP6	Acute Toxicity
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**

UN1866

14.2 UN proper shipping name**ADR**

UN1866 RESIN SOLUTION

IMDG, IATA

RESIN SOLUTION

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

3 Flammable liquids.

Label

3

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

III

14.5 Environmental hazards:**Marine pollutant:**

No

14.6 Special precautions for user

Warning: Flammable liquids.

Hazard identification number (Kemler code):

36

EMS Number:F-E,S-E**Stowage Category**

A

(Contd. on page 14)

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

Printing date 21.04.2026

Version number 4 (replaces version 3)

Revision: 21.04.2026

Trade name: PENECOAT™ POOL

(Contd. of page 13)

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

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

D/E

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 1866 RESIN SOLUTION, 3, 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 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.**Seveso category P5c** FLAMMABLE LIQUIDS**Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t**Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 48**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.

(Contd. on page 15)

EN

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

Printing date 21.04.2026

Version number 4 (replaces version 3)

Revision: 21.04.2026

Trade name: PENECOAT™ POOL

(Contd. of page 14)

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

CAS: 108-88-3 Toluene 3

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

CAS: 108-88-3 Toluene 3

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.
- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- 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.

(Contd. on page 16)

— EN —

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

Printing date 21.04.2026

Version number 4 (replaces version 3)

Revision: 21.04.2026

Trade name: PENECOAT™ POOL

(Contd. of page 15)

Classification according to Regulation (EC) No 1272/2008

Flammable liquids	Bridging principles
Acute toxicity - dermal Acute toxicity - inhalation Skin corrosion/irritation Serious eye damage/irritation Specific target organ toxicity (single exposure) Specific target organ toxicity (repeated exposure) 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.
Aspiration hazard	Expert judgement

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

Version number of previous version: 3**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
 Flam. Liq. 2: Flammable liquids – Category 2
 Flam. Liq. 3: Flammable liquids – Category 3
 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
 Repr. 2: Reproductive toxicity – Category 2
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
 Asp. Tox. 1: Aspiration hazard – Category 1
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3