

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

Printing date 04.02.2026

Version number 5 (replaces version 4)

Revision: 04.02.2026

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name:** PENECOAT™ ELASTIC PROFESSIONAL**UFI:** QAA0-0052-U00G-7XS2**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: Liquid-applied polyurethane waterproofing membrane.**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

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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

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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

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.

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:

GHS02 GHS08

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

Reaction mass of ethylbenzene and m-xylene and p-xylene
 m-tolylidene diisocyanate
 4,5-dichloro-2-octyl-2H-isothiazol-3-one

Hazard statements:

H226 Flammable liquid and vapour.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H317 May cause an allergic skin reaction.
 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.
 P273 Avoid release to the environment.
 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.
 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.

Additional information:

EUH204 Contains isocyanates. May produce an allergic reaction.
 As from 24 August 2023 adequate training is required before industrial or professional use.

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

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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:

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%	>15-<20%
CAS: 26471-62-5 EINECS: 247-722-4 Index number: 615-006-00-4 Reg.nr.: 01-2119454791-34-XXXX	m-tolylidene diisocyanate Acute Tox. 2, H330; Resp. Sens. 1, H334; Carc. 2, H351; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335; Aquatic Chronic 3, H412 Specific concentration limit: Resp. Sens. 1; H334: C ≥ 0.1 % substance with a Community workplace exposure limit	>0.1-<0.5%
CAS: 872-50-4 EINECS: 212-828-1 Index number: 606-021-00-7	1-methyl-2-pyrrolidone Repr. 1B, H360D; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 Specific concentration limit: STOT SE 3; H335: C ≥ 10% substance with a Community workplace exposure limit	>0.01-<0.1%
CAS: 64359-81-5 EINECS: 264-843-8 Index number: 613-335-00-8	4,5-dichloro-2-octyl-2H-isothiazol-3-one Acute Tox. 2, H330; Skin Corr. 1, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Acute Tox. 4, H302; Skin Sens. 1A, H317 ATE: LD50 oral: 567 mg/kg LC50/4h (dusts and mists) inhalative: 0.16 mg/l Specific concentration limits: Skin Irrit. 2; H315: C ≥ 0.025 % Eye Irrit. 2; H319: C ≥ 0.025 % Skin Sens. 1A; H317: C ≥ 0.0015 %	>0.01-<0.025%
CAS: 1317-65-3 EINECS: 215-279-6	limestone substance with a Community workplace exposure limit	>40-<50%
CAS: 13463-67-7 EINECS: 236-675-5 Reg.nr.: 01-2119489379-17-XXXX	titanium dioxide substance with a Community workplace exposure limit	>1-<2.5%

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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**General information:**

Take affected persons out into the fresh air.

Seek immediate medical advice.

After inhalation:

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

Seek medical treatment in case of complaints.

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:

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 15 minutes.

Seek medical attention if irritation occurs.

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

After swallowing:

Do not induce vomiting; call for medical help immediately.

Consult the doctor immediately and show the label or this Safety Data Sheet.

Never give anything by mouth to an unconscious person.

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 fire with foam.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

Carbon dioxide (CO₂)

Carbon monoxide (CO)

5.3 Advice for firefighters**Protective equipment:**

Wear fully protective suit.

Respiratory protective device.

Additional information

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

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.

Mouth respiratory protective device.

Keep away from ignition sources.

Avoid inhalation of vapors.

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

Keep unprotected persons away.

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).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Send for recovery or disposal in suitable receptacles.

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

Avoid contact with skin and eyes.

Ensure adequate ventilation.

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

Wash contaminated clothes before reusing them.

Wash your hands thoroughly after handling.

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: 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.

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.

Protect from heat and direct sunlight.

7.3 Specific end use(s)

No further relevant information available.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Ingredients with limit values that require monitoring at the workplace:
CAS: 1317-65-3 limestone

WEL (United Kingdom)	Long-term value: 10* 4** mg/m ³ *inhalable dust; **respirable
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CAS: 13463-67-7 titanium dioxide

WEL (United Kingdom)	Long-term value: 10* 4** mg/m ³ *total inhalable **respirable
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CAS: 26471-62-5 m-tolylidene diisocyanate

WEL (United Kingdom)	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO
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CAS: 872-50-4 1-methyl-2-pyrrolidone

BOELV (EU)	Short-term value: 80 mg/m ³ , 20 ppm Long-term value: 40 mg/m ³ , 10 ppm Skin
IOELV (EU)	Short-term value: 80 mg/m ³ , 20 ppm Long-term value: 40 mg/m ³ , 10 ppm Skin
WEL (United Kingdom)	Short-term value: 80 mg/m ³ , 20 ppm Long-term value: 40 mg/m ³ , 10 ppm Sk

CAS: 77-58-7 dibutyltin dilaurate

WEL (United Kingdom)	Short-term value: 0.2 mg/m ³ Long-term value: 0.1 mg/m ³ as Sn; Sk
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CAS: 2781-10-4 dibutyltin bis(2-ethylhexanoate)

WEL (United Kingdom)	Short-term value: 0.2 mg/m ³ Long-term value: 0.1 mg/m ³ as Sn; Sk
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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)
	DNEL General Population (long term exposure - systemic effect)	125 mg/kg bw/d (human)
Inhalative	DNEL Workers (long term exposure - systemic effect)	221 mg/m ³ (human)
	DNEL Workers (short term exposure - systemic effect)	442 mg/m ³ (human)

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	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: 26471-62-5 m-tolylidene diisocyanate

Inhalative	DNEL Workers (long term exposure - systemic effect)	0.035 mg/m ³ (human)
	DNEL Workers (short term exposure - systemic effect)	0.14 mg/m ³ (human)
	DNEL General Population (acute/short term exposure - local effect)	0.14 mg/m ³ (human)
	DNEL General Population (long term exposure - local effect)	0.035 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

CAS: 26471-62-5 m-tolylidene diisocyanate

PNEC freshwater	0.013 mg/l
PNEC freshwater (intermittent releases)	0.125 mg/l
PNEC marinewater	0.001 mg/l
PNEC soil	1 mg/kg dw
PNEC STP	1 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.

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

Do not breathe vapours or mists.

Remove contaminated clothes and wash before reusing them.

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

≥ 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.

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SECTION 9: Physical and chemical properties
9.1 Information on basic physical and chemical properties
General Information
Physical state

Viscous liquid

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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:	30 °C (ASTM D93)
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:	1.32 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.

Solvent separation test:

<1 % (UN Part III, par. 32.5.1)

Solvent content:**VOC (EC)**

249 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

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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 Stable under normal conditions

10.2 Chemical stability Material is stable under normal conditions.

Thermal decomposition / conditions to be avoided

To avoid thermal decomposition do not overheat.

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 (CO₂)

Carbon monoxide (CO)

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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:

 For the calculation of the ATE_{mix} value for inhalation (vapours) the calculation formula of Regulation (EC) 1272/2008 (CLP) for mixtures was used.

 The LC₅₀ values (inhalation, vapour) of the substances were adjusted by a factor of 11 (Point estimate - Cat. 4 - acute toxicity), according to Annex I of Regulation (EC) No. CLP (1272/2008 EC), because for some substances no specific experimental LC₅₀ data or numerical ATE values were available.

 Based on the available classifications and toxicological information in accordance with the provisions of CLP, and on this basis, the final ATE_{mix} value for inhalation (vapours) of the product was calculated.

ATE (Acute Toxicity Estimates)

Inhalative	LC50/4 h (vapour)	38,6 mg/l
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Reaction mass of ethylbenzene and m-xylene and p-xylene

Oral	LD50	3,523 mg/kg (rat)
Dermal	LD50	12,126 mg/kg (rabbit)
Inhalative	LC50	27,124 mg/m ³ (rat)

CAS: 13463-67-7 titanium dioxide

Oral	LD50	>5,000 mg/kg (rat)
Inhalative	LC50/4 h (vapour)	>6.82 mg/l (rat)

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CAS: 26471-62-5 m-tolylidene diisocyanate

Oral	LD50	5,840 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50(4h)	0.48 mg/l (rat)

CAS: 872-50-4 1-methyl-2-pyrrolidone

Oral	LD50	4,150 mg/kg (rat) ((OECD 401))
Dermal	LD50	5.000 mg/kg (rat) ((OECD 402))
Inhalative	LC50/4 h (vapour)	5.1 mg/l (rat) ((OECD 403))

CAS: 64359-81-5 4,5-dichloro-2-octyl-2H-isothiazol-3-one

Oral	LD50	567 mg/kg (ATE)
Inhalative	LC50/4h (dusts and mists)	0.16 mg/l (ATE)

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 allergy or asthma symptoms or breathing difficulties if inhaled.

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**

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.

Additional toxicological information:**Sensitisation** Sensitization possible through skin contact**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.

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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)

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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)

CAS: 26471-62-5 m-tolylidene diisocyanate

EC50 (72h)	3,230 mg/l (algae)
EC50 (48h)	12.5 mg/l (daphnia magna)
LC50(96h)	133 mg/l (fish)

CAS: 872-50-4 1-methyl-2-pyrrolidone

EC50 (72h)	600.5 mg/l (aquatic algae and cyanobacteria)
NOEC (21d)	12.5 mg/l (daphnia magna) (Daphnia magna Reproduction Test)
EC10 (96h)	92.6 mg/L (aquatic algae and cyanobacteria)

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

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

Remark: Harmful to fish**Additional ecological information:****General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

The product contains materials that are harmful to the environment.

Harmful to aquatic organisms

EN

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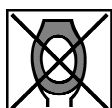
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SECTION 13: Disposal considerations
13.1 Waste treatment methods
Recommendation


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
HP5	Specific Target Organ Toxicity (STOT)/Aspiration 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

IMDG, IATA

 UN1866 RESIN SOLUTION
 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):

30

EMS Number:

 F-E,S-E

Stowage Category

A

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

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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

3

D/E

Transport category**Tunnel restriction code****Remarks:**

- Viscous liquid par. 2.2.3.1.5., 2.2.3.1.5.2 ADR and par. 2.3.2.5 of the IMDG Code.

- Exception for packages: ≤ 5 liters.

- In accordance to paragraphs 2.2.3.1.5, 2.2.3.1.5.2 of ADR (road transport) and 2.3.2.5 of the IMDG Code (marine transport) for packaging ≤ 5 liters (L), are not subject to the ADR agreement and are not subject to the provisions for the marking, labelling and testing of packages (IMDG).

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

Remarks:

- Viscous liquid par. 2.2.3.1.5., 2.2.3.1.5.2 ADR and par. 2.3.2.5 of the IMDG Code.

- Exception for packages: ≤ 5 liters.

- In accordance to paragraphs 2.2.3.1.5, 2.2.3.1.5.2 of ADR (road transport) and 2.3.2.5 of the IMDG Code (marine transport) for packaging ≤ 5 liters (L), are not subject to the ADR agreement and are not subject to the provisions for the marking, labelling and testing of packages (IMDG).

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

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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 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, 74

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

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

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.

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- H330 Fatal if inhaled.
 H332 Harmful if inhaled.
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H335 May cause respiratory irritation.
 H351 Suspected of causing cancer.
 H360D May damage the unborn child.
 H373 May cause damage to organs through prolonged or repeated exposure.
 H400 Very toxic to aquatic life.
 H410 Very 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

Flammable liquids	Bridging principles
Skin corrosion/irritation Serious eye damage/irritation Respiratory sensitisation Skin sensitisation 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 SUSTCHEM S.A.
 REACH & Chemical Services Department
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 T: +30 210 8252510 | F: +30 210 8252575
 W: www.sustchem.gr | E: info@sustchem.gr

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
 Flam. Liq. 3: Flammable liquids – Category 3
 Acute Tox. 4: Acute toxicity – Category 4
 Acute Tox. 2: Acute toxicity – Category 2
 Skin Corr. 1: Skin corrosion/irritation – Category 1

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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
Resp. Sens. 1: Respiratory sensitisation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1A: Skin sensitisation – Category 1A
Carc. 2: Carcinogenicity – Category 2
Repr. 1B: Reproductive toxicity – Category 1B
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 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

— EN —