

**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Printing date 09.02.2023

Version number 5 (replaces version 4)

Revision: 07.10.2022

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

**1.1 Product identifier**

Trade name MARISEAL DETAIL

Safety data sheet no.: XXP016848

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

The product is intended for industrial or professional use.

**Application of the substance / the mixture** Construction chemicals

**Uses advised against** Uses other than those recommended.

**1.3 Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:**

Manufacturer/Supplier:

MARIS POLYMERS S.M.S.A.

Industrial Area of Inofita, 32 011 Inofita, Greece

Tel. : +30 22620 32918-9

e-mail: marispolymers@saint-gobain.com

Distributor:

Saint-Gobain Construction Products Polska Sp. z o.o.

ul. Okrężna 16, 44-100 Gliwice

Phone: +48 41 35 69 317 (Mon-Fri 9.00-16.00)

e-mail: SDS.pl@saint-gobain.com

**1.4 Emergency telephone number:**

112 (emergency number), 999 (ambulance), 998 (fire department).

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008



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.

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**2.2 Label elements**

**Labelling according to Regulation (EC) No 1272/2008**

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

**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**

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.

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

P331 Do NOT induce vomiting.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:**

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

As from 24 August 2023 adequate training is required before industrial or professional use.

**2.3 Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** Does not contain PBT substances.

**vPvB:** Does not contain vPvB substances.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**Description:** Mixture consisting of the following components.

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<b>Dangerous components:</b>		
CAS: 1317-65-3 EINECS: 215-279-6	calcium carbonate substance with a Community workplace exposure limit	≥30-<35%
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: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	2-5%
CAS: 28553-12-0 EINECS: 249-079-5 Reg.nr.: 01-2119430798-28-xxxx	di-"isononyl" phthalate substance with a Community workplace exposure limit	>0.1%
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, EUH204 Specific concentration limit: Resp. Sens. 1; H334: C ≥ 0.1 %	0.1-<0.5%
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, EUH071 ATE: LD50 oral: 567 mg/kg LC50/4 h 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 %	≥0.0025-<0.025%

**SVHC** Void

**Additional information**

(CAS:13463-67-7) Titanium dioxide

Note 10 of CLP classification: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm.

For the wording of the listed hazard phrases refer to section 16.

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Immediately remove any clothing soiled by the product.

Take affected persons out into the fresh air.

Seek immediate medical advice

#### After inhalation

Supply fresh air and to be sure call for 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 several minutes under running water. Rinse liquid should be tempered (20-30°C).

Protect unharmed eye.

Seek immediate medical advice.

#### After swallowing

Do not induce vomiting; call for medical help immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

Seek immediate medical advice.

### 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** CO<sub>2</sub>, powder or water spray. Fight larger fires with 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:

Wear self-contained 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

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**6.2 Environmental precautions:**

Do not allow to enter sewers/ surface or ground water.

Do not allow to penetrate the ground/soil.

**6.3 Methods and material for containment and cleaning up:**

Ensure adequate ventilation.

Absorb liquid components with liquid-binding material.

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb with sawdust or other combustible absorbents.

**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 skin and eyes.

**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.

Prevent any seepage into the ground.

Provide ventilation for receptacles.

**Information about storage in one common storage facility:** Store away from foodstuffs.

**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:**

**DNELs**

**reaction mass of ethylbenzene and m-xylene and p-xylene**

Oral	Derived No Effect Level	12.5 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	212 mg/kgxday (worker systemic long term value)
		125 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	221 mg/m <sup>3</sup> (worker systemic long term value)
		442 mg/m <sup>3</sup> (worker systemic short term value)
		65.3 mg/m <sup>3</sup> (consumer systemic long term value)

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		260 mg/m <sup>3</sup> (consumer systemic short term value)
<b>CAS: 28553-12-0 di-"isononyl" phthalate</b>		
Oral	Derived No Effect Level	4.4 mg/kgxday (worker systemic long term value)
Dermal	Derived No Effect Level	366 mg/kgxday (worker systemic long term value) 220 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	51.72 mg/m <sup>3</sup> (worker systemic long term value) 15.3 mg/m <sup>3</sup> (consumer systemic long term value)
<b>CAS: 26471-62-5 m-tolyldiene diisocyanate</b>		
Inhalative	Derived No Effect Level	0.035 mg/m <sup>3</sup> (worker systemic long term value) 0.14 mg/m <sup>3</sup> (worker systemic short term value) 0.14 mg/m <sup>3</sup> (worker local short term value) 0.035 mg/m <sup>3</sup> (worker local long term value)

**PNECs**

**reaction mass of ethylbenzene and m-xylene and p-xylene**

Predicted No-Effect Concentration	0.327 mg/l (sea water rating factor) 0.327 mg/l (fresh water rating factor)
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**CAS No. / Designation of material / % / Type / Value / Unit**

**CAS: 1317-65-3 calcium carbonate**

TWA (Italy)	Long-term value: 10 mg/m <sup>3</sup> (e)
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**CAS: 13463-67-7 titanium dioxide**

AGW (Germany)	Long-term value: 1.25* 10** mg/m <sup>3</sup> 2(II);*alveolengängig**einatembare; AGS, DFG, Y
GV (Denmark)	Short-term value: 12 mg/m <sup>3</sup> Long-term value: 6 mg/m <sup>3</sup> K, som Ti
LEP (Spain)	Long-term value: 10 mg/m <sup>3</sup>
TWA (Italy)	Long-term value: 10 mg/m <sup>3</sup> A4
VLE (Portugal)	Long-term value: 10 mg/m <sup>3</sup> A4; Irritação do TRI
OEL (Sweden)	Long-term value: 5 mg/m <sup>3</sup> totaldamm

**CAS: 28553-12-0 di-"isononyl" phthalate**

GV (Denmark)	Short-term value: 6 mg/m <sup>3</sup> Long-term value: 3 mg/m <sup>3</sup>
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**CAS: 26471-62-5 m-tolyldiene diisocyanate**

MAK (Germany)	vgl. Abschn.XII
OEL (Sweden)	Short-term value: 0.04 mg/m <sup>3</sup> , 0.005 ppm Long-term value: 0.014 mg/m <sup>3</sup> , 0.002 ppm C, M, S
HTP (Finland)	Short-term value: 0.035 mg/m <sup>3</sup> NCO

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**8.2 Exposure controls**

**Appropriate engineering controls** No further data; see item 7.

**Individual protection measures, such as personal protective equipment**

**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

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.

In case of brief exposure or low pollution use respiratory filter device.

In case of intensive or longer exposure use self-contained respiratory protective device.

Short term filter device:

Combination of charcoal filter and particulate filter A2-P2 (EN 529)

**Hand protection**

Protective gloves against chemicals (standard EN 374-1)

The glove material has to be impermeable and resistant to the product/ the substance/ the mixture.

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

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies 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 the application.

Fluorocarbon rubber (FKM-Viton)

Butyl rubber, BR

Recommended thickness of the material:  $\geq 0.5$  (BR) ; 0.4 (Viton) mm

Recommendation: contaminated gloves should be disposed of.

**Penetration time of glove material**

The determined breakthrough times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the breakthrough time, is recommended.

For the mixture of chemicals mentioned below the breakthrough time has to be at least 480 minutes (Permeation according to EN 16523-1:2015: Level 6).

**Eye/face protection**

Protective eyewear (standard EN 166)

Tightly sealed goggles

**Body protection:**

Chemically resistant protective work clothing (EN 14605)

Boots

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**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**General Information**

<b>Colour:</b>	Various colours
<b>Odour:</b>	Uncharacteristic.
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	Undetermined.
<b>Boiling point or initial boiling point and boiling range</b>	130-150 °C (EC No.905-562-9)
<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>	31 °C (Pensky-Martens)
<b>Ignition temperature:</b>	488 °C (xylene, EC No. 905-562-9)
<b>Decomposition temperature:</b>	Not determined.
<b>pH</b>	Not applicable.
<b>Viscosity:</b>	
<b>Kinematic viscosity at 23 °C</b>	54 s (ISO 2431/Flow time tISO)
<b>dynamic at 20 °C:</b>	>90 mPas
<b>Solubility</b>	
<b>Water:</b>	Not miscible or difficult to mix
<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>	1.35 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Bulk density:</b>	Not applicable.
<b>Vapour density</b>	Not determined.

**9.2 Other information**

<b>Appearance:</b>	No further relevant information available.
<b>Form:</b>	Viscous
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Auto-ignition temperature:</b>	Product is not self-igniting.
<b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
<b>Minimum ignition energy</b>	
<b>Solvent separation test:</b>	<1 % (UN Part III, par. 32.5.1)
<b>EU-VOC (g/L)</b>	249.0000 g/l
<b>Change in condition</b>	
<b>Softening point/range</b>	
<b>Oxidising properties</b>	Not considered as oxidising.
<b>Evaporation rate</b>	Not determined.

**Information with regard to physical hazard classes**

<b>Explosives</b>	Void
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<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	
Flammable liquid and vapour.	
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<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:** No dangerous decomposition products known.

**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:**

Components	/	Type	/	Value	/	Species
Dermal	LD50	6,575 mg/kg	(Calculation)			
Inhalative	LC50/4 h	28.4 mg/l	(Calculation)			
<b>CAS: 1317-65-3 calcium carbonate</b>						
Oral	LD50	>5,000 mg/kg	(Rat)			
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>						
Oral	LD50	>3,523 mg/kg	(Rat)			
Dermal	LD50	>12,126 mg/kg	(Rabbit)			
Inhalative	LC50/4 h	>27 mg/l	(Rat)			

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<b>CAS: 13463-67-7 titanium dioxide</b>		
Oral	LD50	>10,000 mg/kg (Rat)
<b>CAS: 28553-12-0 di-"isononyl" phthalate</b>		
Oral	LD50	10,000 mg/kg (Rat)
Dermal	LD50	3,160 mg/kg (Rabbit)
<b>CAS: 26471-62-5 m-tolyldiene diisocyanate</b>		
Oral	LD50	>4,130 mg/kg (Rat)
Dermal	LD50	>9,400 mg/kg (Rabbit)
Inhalative	LC50/4 h	0.1 mg/l (Rat)
<b>CAS: 64359-81-5 4,5-dichloro-2-octyl-2H-isothiazol-3-one</b>		
Oral	LD50	567 mg/kg (ATE)
Inhalative	LC50/4 h	0.16 mg/l (ATE)

**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**

May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard**

May be fatal if swallowed and enters airways.

**11.2 Information on other hazards**

**Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity:** Harmful to aquatic life with long lasting effects.

Type of test / Effective concentration / Method / Assessment	
<b>CAS: 1317-65-3 calcium carbonate</b>	
LC50/96h	>10,000 mg/l (Oncorhynchus mykiss (Rainbow trout))
EC50/48h	>1,000 mg/l (Daphnia magna)
EC50/72h	>200 mg/l (Algae)
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	
LC50/96h	>2.6 mg/l (Fish)
EC50/24h	96 mg/l (Activated sludge)
EC50/72h	4.6-4.9 mg/l (Algae)

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NOEC (21d)	1.57 mg/l (Daphnia magna)
<b>CAS: 13463-67-7 titanium dioxide</b>	
LC50/48h	500 mg/l (Daphnia magna)
EC50/72h	100 mg/l (Algae)
NOEC (72h)	100 mg/l (Algae)
NOEC (14d)	0.87-1.1 mg/l (Fish)
NOEC (21d)	5 mg/l (Daphnia magna)
<b>CAS: 28553-12-0 di-"isononyl" phthalate</b>	
LC50/96h	102 mg/l (Fish)
EC50/48h	74 mg/l (Daphnia magna)
EC50/72h	88 mg/l (Algae)
<b>CAS: 26471-62-5 m-tolyldiene diisocyanate</b>	
LC50/96h	133 mg/l (Fish)
EC50/48h	12.5-18.3 mg/l (Daphnia magna)
EC50/96h	3.2-4.3 mg/l (Algae)

**12.2 Persistence and degradability** No further relevant information available.

<b>Method</b>	
<b>CAS: 28553-12-0 di-"isononyl" phthalate</b>	
Biod. (28 days)	100 % (soil/groundwater)

**Behaviour in environmental systems:**

<b>Components:</b>	
<b>reaction mass of ethylbenzene and m-xylene and p-xylene</b>	
DT50-value (Degradation Half Time)	2 day

**12.3 Bioaccumulative potential**

<b>CAS: 26471-62-5 m-tolyldiene diisocyanate</b>	
EBAB	3.43 log Pow (Bioaccumulation)

**12.4 Mobility in soil** No further relevant information available.

**12.5 Results of PBT and vPvB assessment**

**PBT:** Does not contain PBT substances.

**vPvB:** Does not contain vPvB substances.

**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

**12.7 Other adverse effects**

**Remark:** Harmful to fish

**Additional ecological information:**

**General notes:**

Do not allow product to reach ground water, water course or sewage system.

The product contains materials that are harmful to the environment.

Harmful to aquatic organisms

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**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Recommendation**

Dispose of the product in accordance with national and local regulations.  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**European waste catalogue**

08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
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

1866 RESIN SOLUTION  
RESIN SOLUTION

**14.3 Transport hazard class(es)**

ADR



**Class**  
**Label**

3 (F1) Flammable liquids.  
3

IMDG, IATA



**Class**  
**Label**

3 Flammable liquids.  
3

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

III

**14.5 Environmental hazards:**

Not applicable.

**14.6 Special precautions for user**

Warning: Flammable liquids.

**Hazard identification number (Kemler code):** 30

**EMS Number:**

F-E,S-E

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**Safety Data Sheet**  
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**Trade name MARISEAL DETAIL**

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<b>Stowage Category</b>	A
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
<b>Transport/Additional information:</b>	
<b>ADR</b>	
<b>Limited quantities (LQ)</b>	5L
<b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<b>Transport category</b>	3
<b>Tunnel restriction code</b>	D/E
<b>Remarks:</b>	Not subject to ADR Class 3 if packaging ≤ 5L according to ADR 2.2.3.1.5.2
<b>IMDG</b>	
<b>Limited quantities (LQ)</b>	5L
<b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<b>Remarks:</b>	Not subject to IMDG Class 3 if packaging ≤ 5L according to IMDG 2.3.2.5.
<b>IATA</b>	
<b>Remarks:</b>	Outside ADR/IMDG = UN 1866 - 3 (F1) - RESIN SOLUTION, flammable
<b>UN "Model Regulation":</b>	UN 1866 RESIN SOLUTION, 3, III

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulation (EC) No 1907/2006 (REACH) (Candidate List, Annexes XIV and XVII)

Regulation (EC) No 1272/2008 (CLP)

Regulation (EU) 2020/878 (amending REACH Annex II on the compilation of safety data sheets)

Directive 2004/42/CE (VOC), cf. section 9

**Labelling according to Regulation (EC) No 1272/2008** cf. section 2

**Directive 2012/18/EU**

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

**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, 52a, 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.

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**Trade name MARISEAL DETAIL**

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**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.

**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.
- 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.
- 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.
- EUH071 Corrosive to the respiratory tract.
- EUH204 Contains isocyanates. May produce an allergic reaction.

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EUG

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**Trade name MARISEAL DETAIL**

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<b>Classification according to Regulation (EC) No 1272/2008</b>	
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 S.A**

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**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

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

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)

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 (REACH regulation)

vPvB: very Persistent and very Bioaccumulative

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

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

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

**\* Data compared to the previous version altered.**

According to Annex II of the REACH regulation, the modified sections in this version of the Safety Data Sheet in comparison with the previous one are marked with asterisks.