

## Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878 and to Annex II to UK REACH

### SECTION 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name Sitol Marine

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

Intended use Hybrid polymer-based adhesive/sealant with high initial adhesion for bonding natural and synthetic teak, marine plywood panels to metal, polyester and wood.

#### Uses Advised Against

Use not recommended: not suitable for sealing and bonding seams. Do not use for purposes other than those indicated here.

#### 1.3. Details of the supplier of the safety data sheet

Name	TORGGLER S.R.L.		
Full address	Via Prati Nuovi 9		
District and Country	39020	Marlengo	(BZ)
		Italy	
	Tel.	+39 0473 282400	
	Fax	+39 0473 282501	
e-mail address of the competent person responsible for the Safety Data Sheet	reach@torggler.com		

#### 1.4. Emergency telephone number

For urgent inquiries refer to +39 348 662 70 93 (08.00 - 17.30)

### SECTION 2. Hazards identification

#### 2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to (EU) Regulation 2020/878.

Hazard classification and indication: --

#### 2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms: --

Signal words: --

Hazard statements:

<b>EUH210</b>	Safety data sheet available on request.
<b>EUH211</b>	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
<b>EUH208</b>	Contains: N-(3-(trimethoxysilyl)propyl)ethylenediamine trimethoxyvinylsilane May produce an allergic reaction.

Precautionary statements: --

#### 2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.The product does not contain substances with endocrine disrupting properties in concentration  $\geq$  0.1%.

The product reacts slowly in the presence of water (through ambient humidity), becoming a rubbery solid and releasing small amounts of methanol (CAS 67-56-1).

### SECTION 3. Composition/information on ingredients

#### 3.1. Substances

Information not relevant

#### 3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
<b>triethyl phosphate</b>		
CAS 78-40-0	$3 \leq x < 5$	<b>Acute Tox. 4 H302, Eye Irrit. 2 H319</b> <b>STA Oral: 500 mg/kg</b>
EC 201-114-5		
INDEX		
REACH Reg. 01-2119492852-28-xxxx		
<b>TITANIUM DIOXIDE [in powder form containing 1 % or more of particles with aerodynamic diameter <math>\leq 10 \mu\text{m}</math>]</b>		
CAS 13463-67-7	$3 \leq x < 5$	<b>Carc. 2 H351, Classification note according to Annex VI to the CLP Regulation: 10, V, W</b>
EC 236-675-5		
INDEX 022-006-00-2		
REACH Reg. 01-2119489379-17-xxxx		
<b>Carbon black</b>		
CAS 1333-86-4	$1 \leq x < 1,5$	<b>Substance with a community workplace exposure limit.</b>
EC 215-609-9		
INDEX		
REACH Reg. 01-2119384822-32-xxxx		
<b>trimethoxyvinylsilane</b>		
CAS 2768-02-7	$0,809 \leq x < 0,909$	<b>Flam. Liq. 3 H226, Acute Tox. 4 H332, Skin Sens. 1B H317</b> <b>STA Inhalation vapours: 11 mg/l</b>
EC 220-449-8		
INDEX		
REACH Reg. 01-2119513215-52-xxxx		
<b>N-(3-(trimethoxysilyl)propyl)ethylenediamine</b>		
CAS 1760-24-3	$0,708 \leq x < 0,808$	<b>Eye Dam. 1 H318, STOT SE 3 H335, Skin Sens. 1 H317</b>
EC 217-164-6		
INDEX		
REACH Reg. 01-2119970215-39-xxxx		
<b>Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate</b>		
CAS 52829-07-9	$0,179 \leq x < 0,2$	<b>Repr. 2 H361f, Eye Dam. 1 H318, Aquatic Acute 1 H400 M=1, Aquatic Chronic 2 H411</b>
EC 258-207-9		
INDEX		
REACH Reg. 01-2119537297-32-xxxx		

The full wording of hazard (H) phrases is given in section 16 of the sheet.

### SECTION 4. First aid measures

#### 4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

#### 4.2. Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

## SECTION 5. Firefighting measures

### 5.1. Extinguishing media

#### SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

#### UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

### 5.2. Special hazards arising from the substance or mixture

#### HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

### 5.3. Advice for firefighters

#### GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

#### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## SECTION 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

### 6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

## SECTION 7. Handling and storage

### 7.1. Precautions for safe handling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.

### 7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

Storage class TRGS 510 (Germany): 10

### 7.3. Specific end use(s)

Information not available

**SECTION 8. Exposure controls/personal protection**

**8.1. Control parameters**

triethyl phosphate								
<b>Predicted no-effect concentration - PNEC</b>								
Normal value in fresh water					632		µg/l	
Normal value in marine water					63,2		µg/l	
Normal value for fresh water sediment					5		mg/kg/d	
Normal value for marine water sediment					500		µg/kg/d	
Normal value for water, intermittent release					9		mg/l	
Normal value of STP microorganisms					298,5		mg/l	
Normal value for the terrestrial compartment					640		µg/kg/d	
<b>Health - Derived no-effect level - DNEL / DMEL</b>								
Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		5 mg/kg bw/d		1 mg/kg bw/d				
Inhalation				1,74 mg/m3				9,9 mg/m3
Skin				2 mg/kg bw/d				1 mg/kg bw/d

trimethoxyvinylsilane								
<b>Predicted no-effect concentration - PNEC</b>								
Normal value in fresh water					0,4		mg/l	
Normal value in marine water					0,04		mg/l	
Normal value for fresh water sediment					1,5		mg/kg/d	
Normal value for marine water sediment					0,15		mg/kg/d	
Normal value for water, intermittent release					2,4		mg/l	
Normal value of STP microorganisms					6,6		mg/l	
Normal value for the terrestrial compartment					0,06		mg/kg/d	
<b>Health - Derived no-effect level - DNEL / DMEL</b>								
Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,3 mg/kg bw/d				
Inhalation		26400 mg/m3		6,7 mg/m3				27,6 mg/m3
Skin					7,8 mg/kg bw/d			3,9 mg/kg bw/d

N-(3-(trimethoxysilyl)propyl)ethylenediamine								
<b>Predicted no-effect concentration - PNEC</b>								
Normal value in fresh water					0,062		mg/l	
Normal value in marine water					0,0062		mg/l	
Normal value for fresh water sediment					0,22		mg/kg/d	
Normal value for marine water sediment					0,022		mg/kg/d	
Normal value for water, intermittent release					0,62		mg/l	
Normal value of STP microorganisms					25		mg/l	
Normal value for the terrestrial compartment					0,0085		mg/kg/d	
<b>Health - Derived no-effect level - DNEL / DMEL</b>								
Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation	4 mg/m3		0,1 mg/m3		5,36 mg/m3		0,6 mg/kg	

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

Information not available

### SECTION 8. Exposure controls/personal protection ... / >>

#### 8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

##### HAND PROTECTION

Protect hands with category III work gloves.

The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

##### SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

##### EYE PROTECTION

Wear airtight protective goggles (see standard EN ISO 16321).

##### RESPIRATORY PROTECTION

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. Use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387).

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

##### ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

### SECTION 9. Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	pasty liquid	
Colour	various	
Odour	characteristic	
Odour threshold	not applicable	
Melting point / freezing point	not applicable	
Initial boiling point	not applicable	
Boiling range	not applicable	
Flammability	not flammable	
Lower explosive limit	not applicable	
Upper explosive limit	not applicable	
Flash point	not applicable	
Auto-ignition temperature	224 °C	
pH	not applicable	Reason for missing data: not soluble in water
Kinematic viscosity	not available	
Dynamic viscosity	100000-160000 cps	
Solubility	insoluble in water	
Partition coefficient: n-octanol/water	not available	
Vapour pressure	not available	
Density and/or relative density	1,62-1,66 g/ml	
Relative vapour density	not available	
Particle characteristics	not applicable	

#### 9.2. Other information

##### 9.2.1. Information with regard to physical hazard classes

Information not available

##### 9.2.2. Other safety characteristics

VOC (Directive 2010/75/EU) 4,50 % - 73,35 g/litre

**SECTION 10. Stability and reactivity****10.1. Reactivity**

There are no particular risks of reaction with other substances in normal conditions of use.

Product cures with moisture.

**10.2. Chemical stability**

The product is stable in normal conditions of use and storage.

**10.3. Possibility of hazardous reactions**

No hazardous reactions are foreseeable in normal conditions of use and storage.

**10.4. Conditions to avoid**

None in particular. However the usual precautions used for chemical products should be respected.

N-(3-(trimethoxysilyl)propyl)ethylenediamine

Avoid exposure to: heat, naked flames, moisture, ignition sources.

Product cures with moisture. Protect from moisture. Exposure to air or moisture over prolonged periods. Do not freeze. Keep away from open flames, hot surfaces and sources of ignition.

**10.5. Incompatible materials**

Carbon black

Avoid contact with: oxidising substances.

N-(3-(trimethoxysilyl)propyl)ethylenediamine

Avoid contact with: water, acids, bases.

**10.6. Hazardous decomposition products**

None under normal use conditions. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

**SECTION 11. Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

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

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture:

Not classified (no significant component)

ATE (Oral) of the mixture:

>2000 mg/kg

ATE (Dermal) of the mixture:

Not classified (no significant component)

**SECTION 11. Toxicological information ... / >>****DIISONONYL PHTHALATE**

LD50 (Oral): > 10000 mg/kg Rat - Sprague-Dawley  
LD50 (Dermal): > 3160 mg/kg Rabbit - New Zeland white  
LC50 (Inhalation vapours): > 4,4 mg/l Rat - Sprague-Dawley

**triethyl phosphate**

STA (Oral): 500 mg/kg estimate from table 3.1.2 of Annex I of the CLP  
(figure used for calculation of the acute toxicity estimate of the mixture)

**TITANIUM DIOXIDE [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**

LD50 (Oral): > 10000 mg/kg Rat  
LD50 (Dermal): 10000 mg/kg  
LC50 (Inhalation mists/powders): > 6,82 mg/l/4h

**Carbon black**

LD50 (Oral): > 10000 mg/kg Rat  
LD50 (Dermal): > 3000 mg/kg

**trimethoxyvinylsilane**

LD50 (Oral): 7120 mg/kg bw Rat  
LD50 (Dermal): 3200 mg/kg Rabbit  
LC50 (Inhalation vapours): 2773 ppm/4h Rat  
STA (Inhalation vapours): 11 mg/l estimate from table 3.1.2 of Annex I of the CLP  
(figure used for calculation of the acute toxicity estimate of the mixture)

**N-(3-(trimethoxysilyl)propyl)ethylenediamine**

LD50 (Oral): 2995 mg/kg bw Rat  
LD50 (Dermal): > 2000 mg/kg bw Rat  
LC50 (Inhalation vapours): 1,49 mg/l Rat (aerosol 4h)

**Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate**

LD50 (Oral): 3700 mg/kg bw Rat  
LD50 (Dermal): > 3170 mg/kg bw Rat  
LC50 (Inhalation vapours): 0,5 mg/l/4h Rat

**SKIN CORROSION / IRRITATION**

Does not meet the classification criteria for this hazard class

**SERIOUS EYE DAMAGE / IRRITATION**

Does not meet the classification criteria for this hazard class

Information not available

**RESPIRATORY OR SKIN SENSITISATION**

May produce an allergic reaction.

Contains:

N-(3-(trimethoxysilyl)propyl)ethylenediamine  
trimethoxyvinylsilane

Information not available

**Respiratory sensitization**

Information not available

**Skin sensitization**

Information not available

**GERM CELL MUTAGENICITY**

Does not meet the classification criteria for this hazard class

**CARCINOGENICITY**

Does not meet the classification criteria for this hazard class

**SECTION 11. Toxicological information ... / >>**

TITANIUM DIOXIDE [in powder form containing  $\geq 1\%$  particles with an aerodynamic diameter  $\leq 10 \mu\text{m}$ ]:

The classification as an inhalation carcinogen applies only to mixtures in the form of dusts. However, for precautionary reasons, the product has been classified EUH211 Caution! In case of vaporization dangerous respirable droplets may form. Do not breathe vapours or mists.

TITANIUM DIOXIDE [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ]

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  $\leq 10 \mu\text{m}$ .

**REPRODUCTIVE TOXICITY**

Does not meet the classification criteria for this hazard class

**Adverse effects on sexual function and fertility**

Information not available

**Adverse effects on development of the offspring**

Information not available

**Effects on or via lactation**

Information not available

**STOT - SINGLE EXPOSURE**

Does not meet the classification criteria for this hazard class

**Target organs**

Information not available

**Route of exposure**

Information not available

**STOT - REPEATED EXPOSURE**

Does not meet the classification criteria for this hazard class

**Target organs**

Information not available

**Route of exposure**

Information not available

**ASPIRATION HAZARD**

Does not meet the classification criteria for this hazard class

**11.2. Information on other hazards**

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

**SECTION 12. Ecological information**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

**12.1. Toxicity****DIISONONYL PHTHALATE**

LC50 - for Fish

> 102 mg/l/96h Danio rerio

EC50 - for Crustacea

> 74 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants

> 88 mg/l/72h Scenedesmus subspicatus



### SECTION 12. Ecological information ... / >>

N-(3-(trimethoxysilyl)propyl)ethylenediamine	
LC50 - for Fish	597 mg/l/96h Danio rerio
EC50 - for Crustacea	81 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	8,8 mg/l/72h Desmodesmus Subspicatus
Chronic NOEC for Fish	344 mg/l Danio rerio
Chronic NOEC for Crustacea	35 mg/l Daphnia magna
Chronic NOEC for Algae / Aquatic Plants	1,6 mg/l Pseudokirchnerella subcapitata
trimethoxyvinylsilane	
LC50 - for Fish	191 mg/l/96h Oncorhynchus mykiss
EC50 - for Crustacea	169 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	89 mg/l/72h Selenestrum capricornutum
Chronic NOEC for Fish	100 mg/l Oncorhynchus mykiss
Chronic NOEC for Crustacea	28 mg/l Daphnia magna
Carbon black	
LC50 - for Fish	> 1000 mg/l/96h Brachydanio rerio
EC50 - for Algae / Aquatic Plants	> 10000 mg/l/72h Scenedesmus subspicatus
Chronic NOEC for Algae / Aquatic Plants	> 10000 mg/l Scenedesmus subspicatus
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	
LC50 - for Fish	4,4 mg/l/96h Lepomis macrochirus
EC50 - for Crustacea	0,57 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	1,9 mg/l/72h Scenedesmus subspicatus
triethyl phosphate	
LC50 - for Fish	2100 mg/l/96h Alburnus alburnus
EC50 - for Algae / Aquatic Plants	901 mg/l/72h freshwater algae

#### 12.2. Persistence and degradability

TITANIUM DIOXIDE [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ]  
Solubility in water < 0,001 mg/l  
Degradability: information not available

DIISONONYL PHTHALATE  
Solubility in water < 0,1 mg/l  
Rapidly degradable

N-(3-(trimethoxysilyl)propyl)ethylenediamine  
NOT rapidly degradable

trimethoxyvinylsilane  
NOT rapidly degradable

Carbon black  
Degradability: information not available

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate  
Solubility in water 18,8 mg/l 23 °C

#### 12.3. Bioaccumulative potential

DIISONONYL PHTHALATE  
Partition coefficient: n-octanol/water 8,8  
BCF > 3

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate  
Partition coefficient: n-octanol/water 0,35 Log Kow 25 °C  
BCF 0,35

#### 12.4. Mobility in soil

DIISONONYL PHTHALATE  
Partition coefficient: soil/water 6

#### 12.5. Results of PBT and vPvB assessment

**SECTION 12. Ecological information ... / >>**

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

**12.6. Endocrine disrupting properties**

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

**12.7. Other adverse effects**

Information not available

**SECTION 13. Disposal considerations**

**13.1. Waste treatment methods**

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.  
 Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.  
**CONTAMINATED PACKAGING**  
 Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

**SECTION 14. Transport information**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

**14.1. UN number or ID number**

not applicable

**14.2. UN proper shipping name**

not applicable

**14.3. Transport hazard class(es)**

not applicable

**14.4. Packing group**

not applicable

**14.5. Environmental hazards**

not applicable

**14.6. Special precautions for user**

not applicable

**14.7. Maritime transport in bulk according to IMO instruments**

Information not relevant

**SECTION 15. Regulatory information**

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

Seveso Category - Directive 2012/18/EU: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

<u>Product</u>	
Point	40
<u>Contained substance</u>	
	75

**SECTION 15. Regulatory information ... / >>**

Point  
Point 52 DIISONONYL PHTHALATE

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors  
not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage  $\geq$  than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Information not available

German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017)

WGK 2: Hazard to waters

**15.2. Chemical safety assessment**

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

**SECTION 16. Other information**

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

<b>Flam. Liq. 3</b>	Flammable liquid, category 3
<b>Carc. 2</b>	Carcinogenicity, category 2
<b>Repr. 2</b>	Reproductive toxicity, category 2
<b>Acute Tox. 4</b>	Acute toxicity, category 4
<b>Eye Dam. 1</b>	Serious eye damage, category 1
<b>STOT SE 3</b>	Specific target organ toxicity - single exposure, category 3
<b>Skin Sens. 1</b>	Skin sensitization, category 1
<b>Aquatic Acute 1</b>	Hazardous to the aquatic environment, acute toxicity, category 1
<b>Aquatic Chronic 2</b>	Hazardous to the aquatic environment, chronic toxicity, category 2
<b>H226</b>	Flammable liquid and vapour.
<b>H351</b>	Suspected of causing cancer.
<b>H361f</b>	Suspected of damaging fertility.
<b>H302</b>	Harmful if swallowed.
<b>H332</b>	Harmful if inhaled.
<b>H318</b>	Causes serious eye damage.
<b>H335</b>	May cause respiratory irritation.
<b>H317</b>	May cause an allergic skin reaction.
<b>H400</b>	Very toxic to aquatic life.
<b>H411</b>	Toxic to aquatic life with long lasting effects.
<b>EUH210</b>	Safety data sheet available on request.
<b>EUH211</b>	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

**LEGEND:**

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%

**SECTION 16. Other information ... / >>**

- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

**GENERAL BIBLIOGRAPHY**

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
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22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

**Note for users:**

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

**CALCULATION METHODS FOR CLASSIFICATION**

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.