

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## TESSAROL PRIMER UNI white

Version	Revision Date:	SDS Number:	Date of last issue: 11.08.2021
2.0	30.01.2024	MAT000419636	Date of first issue: 16.03.2021
		GB/EN	

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

#### 1.1 Product identifier

Trade name : TESSAROL PRIMER UNI white

Product code : 41963662

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

Use of the Sub-  
stance/Mixture : Building and construction work  
Roller application or brushing, Non industrial spraying  
Coatings and paints, thinners, paint removers

Recommended restrictions  
on use : Professional and consumer use of coatings

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

Company : Helios TBLUS d.o.o.  
Količevo 65  
1230 Domžale  
Slovenia

Telephone Company : 386 (1) 722 4383

Telefax Company : 386 (1) 722 4310

Responsible/issuing person : 386 (1) 722 4383  
productsafety@helios.si

#### 1.4 Emergency telephone number

Call 999 (or 112) for emergency medical attention

professionals only: National Poison Information Service (NPIS) 24h national number 0844 892  
0111

consumer: National Health Service (NHS) 24h national number, England & Scotland 111

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### SECTION 2: Hazards identification



#### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**

Flammable liquids, Category 3	H226: Flammable liquid and vapour.
Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.
Long-term (chronic) aquatic hazard, Category 3	H412: Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements

**Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**

Hazard pictograms	:	 
Signal word	:	Warning
Hazard statements	:	H226 Flammable liquid and vapour. H336 May cause drowsiness or dizziness. H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	:	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. <b>Prevention:</b> P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P271 Use only outdoors or in a well-ventilated area. <b>Response:</b> P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. <b>Storage:</b> P405 Store locked up. <b>Disposal:</b> P501 Dispose of contents/ container to an approved waste disposal plant.

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Hazardous components which must be listed on the label:

hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics  
1-methoxy-2-propanol

### Additional Labelling

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics	107-98-2 919-857-5 01-2119463258-33	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system) Asp. Tox. 1; H304	>= 20 - < 30
1-methoxypropan-2-ol	203-539-1 603-064-00-3 01-2119457435-35	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system)	>= 1 - < 10
trizinc bis(orthophosphate)	231-944-3 030-011-00-6 01-2119485044-40	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 1 - < 2,5
zinc oxide	215-222-5 030-013-00-7 01-2119463881-32	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,1 - < 0,25
strontium bis(2-ethylhexanoate)	219-536-3	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318	>= 0,1 - < 0,3
zinc 5-nitroisophthalate		Aquatic Acute 1; H400 Aquatic Chronic 2; H411	>= 0,1 - < 0,25
cobalt bis(2-ethylhexanoate)	205-250-6 01-2119524678-29	Eye Irrit. 2; H319 Skin Sens. 1A; H317 Aquatic Acute 1;	>= 0,025 - < 0,1

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		H400 Aquatic Chronic 3; H412	
Substances with a workplace exposure limit :			
titanium dioxide	236-675-5 01-2119489379-17		>= 10 - < 20
calcium carbonate	207-439-9 01-2119486795-18		>= 10 - < 20
barium sulphate, natural	231-784-4 01-2119491274-35		>= 10 - < 20
talc	238-877-9 01-2120140278-58		>= 10 - < 20

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : Consult a physician after significant exposure.  
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

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

- Risks : May cause drowsiness or dizziness.

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

Treatment : Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : High volume water jet

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

Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : No hazardous combustion products are known

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.

## SECTION 6: Accidental release measures

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

Personal precautions : Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform

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respective authorities.

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

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Take precautionary measures against static discharges.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Open drum carefully as content may be under pressure.  
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material.  
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Keep away from open flames, hot surfaces and sources of ignition.

Hygiene measures : Wash hands before breaks and at the end of workday.

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

Requirements for storage areas and containers : No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Specific use(s) : For further information, refer to the product technical data sheet.

Consult the technical guidelines for the use of this substance/mixture.

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
titanium dioxide	13463-67-7	TWA (inhalable dust)	10 mg/m3	GB EH40
		TWA (Respirable dust)	4 mg/m3	GB EH40
Calcium carbonate	471-34-1	TWA (inhalable dust)	10 mg/m3	GB EH40
		TWA (Respirable dust)	4 mg/m3	GB EH40
barium sulfate	7727-43-7	TWA (inhalable dust)	10 mg/m3	GB EH40
		TWA (Respirable dust)	4 mg/m3	GB EH40
Talc	14807-96-6	TWA (Respirable dust)	1 mg/m3	GB EH40
		TWA (Respirable dust)	0,1 mg/m3	2004/37/EC
Further information: Carcinogens or mutagens				
1-methoxy-2-propanol	107-98-2	TWA	100 ppm 375 mg/m3	GB EH40
Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.				
		STEL	150 ppm 560 mg/m3	GB EH40
Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.				
		TWA	100 ppm 375 mg/m3	2000/39/EC
Further information: Identifies the possibility of significant uptake through the skin, Indicative				
		STEL	150 ppm 568 mg/m3	2000/39/EC
Further information: Identifies the possibility of significant uptake through the skin, Indicative				
cobalt bis(2-ethylhexanoate)	136-52-7	TWA	0,1 mg/m3 (Cobalt)	GB EH40
Further information: Capable of causing occupational asthma., Capable of causing cancer and/or heritable genetic damage.				

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### Derived No Effect Level (DNEL):

according to Regulation (EC) No. 1907/2006

Substance name	End Use	Exposure routes	Potential health effects	Value
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics	Workers	Inhalation	Long-term systemic effects	1500 mg/m3
	Consumers	Inhalation	Long-term systemic effects	900 mg/m3
	Workers	Dermal	Long-term systemic effects	300 mg/kg bw/day
	Consumers	Dermal	Long-term systemic effects	300 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	300 mg/kg bw/day
titanium dioxide	Workers	Inhalation	Long-term local effects	10 mg/m3
	Consumers	Oral	Long-term systemic effects	700 mg/kg bw/day
Calcium carbonate	Workers	Inhalation	Long-term local effects	4,26 mg/m3
	Consumers	Inhalation	Long-term local effects	1,06 mg/m3
barium sulfate	Consumers	Inhalation	Long-term systemic effects	10 mg/m3
	Workers	Inhalation	Long-term systemic effects	10 mg/m3
	Consumers	Oral	Long-term systemic effects	13000 mg/kg bw/day
Talc	Workers	Inhalation	Acute systemic effects	2,16 mg/m3
	Workers	Inhalation	Acute local effects	3,6 mg/m3
	Consumers	Inhalation	Acute systemic effects	1,08 mg/m3
	Consumers	Inhalation	Acute local effects	1,8 mg/m3
	Consumers	Dermal	Long-term local effects	2,27 mg/cm2
	Workers	Dermal	Long-term local effects	4,54 mg/cm2
	Consumers	Oral	Long-term systemic effects	160 mg/kg bw/day
	Consumers	Oral	Acute systemic effects	160 mg/kg bw/day
	Workers	Dermal	Long-term systemic effects	43,2 mg/kg bw/day
	Consumers	Dermal	Long-term systemic effects	21,6 mg/kg bw/day
1-methoxy-2-propanol	Workers	Inhalation	Long-term systemic	369 mg/m3



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			effects	
	Workers	Inhalation	Acute systemic effects	553,5 mg/m3
	Workers	Inhalation	Acute local effects	553,5 mg/m3
	Workers	Inhalation	Long-term systemic effects	43,9 mg/m3
	Workers	Dermal	Long-term systemic effects	183 mg/kg bw/day
	Consumers	Dermal	Long-term systemic effects	78 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	33 mg/kg bw/day
trizinc bis(orthophosphate)	Workers	Inhalation	Long-term systemic effects	5 mg/m3
	Consumers	Inhalation	Long-term systemic effects	2,5 mg/m3
	Workers	Dermal	Long-term systemic effects	83 mg/kg bw/day
	Consumers	Dermal	Long-term systemic effects	83 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	0,83 mg/kg bw/day
zinc oxide	Workers	Inhalation	Long-term systemic effects	5 mg/m3
	Workers	Inhalation	Long-term local effects	0,5 mg/m3
	Consumers	Inhalation	Long-term systemic effects	2,5 mg/m3
	Workers	Dermal	Long-term systemic effects	83 mg/kg bw/day
	Consumers	Dermal	Long-term systemic effects	83 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	0,83 mg/kg bw/day
strontium bis(2-ethylhexanoate)	Workers	Inhalation	Long-term systemic effects	0,730 mg/m3
	Workers	Dermal	Long-term systemic effects	0,410 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	0,180 mg/m3
	Consumers	Dermal	Long-term systemic effects	0,210 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	0,210 mg/kg bw/day
cobalt bis(2-ethylhexanoate)	Workers	Inhalation	Long-term systemic effects	0,2351 mg/m3
	Consumers	Inhalation	Long-term local effects	0,037 mg/m3
	Consumers	Oral	Long-term systemic	0,0276 mg/kg

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			effects	bw/day
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### Predicted No Effect Concentration (PNEC):

according to Regulation (EC) No. 1907/2006

Substance name	Environmental Compartment	Value
titanium dioxide	Soil	100 mg/kg dry weight (d.w.)
	Marine water	0,0184 mg/l
	Fresh water	0,184 mg/l
	Marine sediment	100 mg/kg dry weight (d.w.)
	Fresh water sediment	1000 mg/kg dry weight (d.w.)
	Sewage treatment plant	100 mg/l
	Intermittent use/release	0,193 mg/l
Calcium carbonate	Sewage treatment plant	100 mg/l
barium sulfate	Soil	207,7 mg/kg dry weight (d.w.)
	Fresh water	0,115 mg/l
	Fresh water sediment	600,4 mg/kg dry weight (d.w.)
	Sewage treatment plant	62,2 mg/l
	Intermittent use/release	597,97 mg/l
Talc	Marine water	141,26 mg/l
	Fresh water	597,97 mg/l
	Marine sediment	3,13 mg/kg dry weight (d.w.)
	Fresh water sediment	31,33 mg/kg dry weight (d.w.)
	Intermittent use/release	597,97 mg/l
1-methoxy-2-propanol	Soil	4,59 mg/kg dry weight (d.w.)
	Marine water	1 mg/l
	Fresh water	10 mg/l
	Marine sediment	5,2 mg/kg dry weight (d.w.)
	Fresh water sediment	52,3 mg/kg dry weight (d.w.)
	Sewage treatment plant	100 mg/l
	Intermittent use/release	100 mg/l
trizinc bis(orthophosphate)	Soil	35,6 mg/kg dry weight (d.w.)
	Marine water	0,0061 mg/l
	Fresh water	0,0206 mg/l
	Marine sediment	56,5 mg/kg dry weight (d.w.)
	Fresh water sediment	117,8 mg/kg dry weight (d.w.)
zinc oxide	Sewage treatment plant	0,1 mg/l
	Soil	35,6 mg/kg dry

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		weight (d.w.)
	Marine water	0,0061 mg/l
	Fresh water	0,0206 mg/l
	Marine sediment	56,5 mg/kg dry weight (d.w.)
	Fresh water sediment	117,8 mg/kg dry weight (d.w.)
	Sewage treatment plant	0,1 mg/l
strontium bis(2-ethylhexanoate)	Fresh water	0,360 - 0,440 mg/l
	Intermittent use/release	0,493 - 0,610 mg/l
	Marine water	0,036 - 0,040 mg/l
	Sewage treatment plant	71,7 - 88,52 mg/l
	Fresh water sediment	6,37 - 7,86 mg/kg dry weight (d.w.)
	Marine sediment	0,637 - 0,790 mg/kg dry weight (d.w.)
	Soil	1,06 - 1,31 mg/kg dry weight (d.w.)
zinc 5-nitroisophthalate	Fresh water	0,0206 - 0,0808 mg/l
	Marine water	0,0061 - 0,0239 mg/l
	Sewage treatment plant	0,100 - 0,3922 mg/l
	Fresh water sediment	117,8 - 462 mg/kg dry weight (d.w.)
	Marine sediment	56,5 - 221 mg/kg dry weight (d.w.)
	Soil	56,5 - 221 mg/kg dry weight (d.w.)
cobalt bis(2-ethylhexanoate)	Soil	10,9 mg/kg dry weight (d.w.)
	Marine water	0,00236 mg/l
	Fresh water	0,0006 mg/l
	Marine sediment	9,5 mg/kg dry weight (d.w.)
	Fresh water sediment	9,5 mg/kg dry weight (d.w.)
	Sewage treatment plant	0,37 mg/l

### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection : Equipment should conform to EN 166  
Eye wash bottle with pure water

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Hand protection	Tightly fitting safety goggles
Gloves	: Nitrile rubber (> 0,1 mm; < 60 min); ISO EN374   butyl-rubber (> 0,6 mm; < 240 min); ISO EN374   Viton® (> 0,6 mm; < 240 min); ISO EN374   PE laminate (> 0,1 mm; < 240 min); ISO EN374
Remarks	: The suitability for a specific workplace should be discussed with the producers of the protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Skin and body protection	: Impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Respiratory protection	: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Equipment should conform to EN 14387
Filter type	: Combined particulates and organic vapour type (A-P)
Protective measures	: Wash thoroughly after handling. Avoid contact with skin, eyes and clothing. Keep away from food, drink and animal feedingstuffs.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: in accordance with the product description
Odour	: solvent-like
Odour Threshold	: No data available
pH	: No data available
Melting point/freezing point	: -97,0 °C (calculation method (principal components, lowest value))
Boiling point/boiling range	: 119 °C (calculation method (principal components, lowest value))
Flash point	: 29 °C
Flammability (solid, gas)	: Static-accumulating flammable liquid., Combustible Solids
Upper explosion limit / Upper flammability limit	: 6 %(V) (calculation method (principal components, highest value))

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Lower explosion limit / Lower flammability limit	:	0,7 %(V) (calculation method (principal components, highest value))
Vapour pressure	:	11,5 hPa (calculation method (principal components, highest value))  (20 °C)
Relative vapour density	:	3,11 (calculation method (principal components, highest value))  (Air = 1.0)
Relative density	:	1,47 (calculation method (principal components, highest value))
Density	:	1,38 - 1,42 g/cm <sup>3</sup>
Solubility(ies)	:	
Water solubility	:	insoluble
Solubility in other solvents	:	Description: miscible with most organic solvents
Partition coefficient: n-octanol/water	:	log Pow: -0,437 (calculation method (principal components, highest value))
Ignition temperature	:	287 °C (calculation method (principal components, highest value))
Decomposition temperature	:	No decomposition if stored and applied as directed. Hazardous decomposition products formed under fire conditions.
Viscosity	:	
Viscosity, kinematic	:	> 20,5 mm <sup>2</sup> /s (40 °C)
Flow time	:	> 60 s at 23 °C Cross section: 6 mm Method: ISO 2431
Explosive properties	:	Not applicable

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Oxidizing properties : Sustains combustion

### 9.2 Other information

No data available  
VOC : (Directive 2004/42/EC)  
500 g/l

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.  
Vapours may form explosive mixture with air.

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

### 10.5 Incompatible materials

Materials to avoid : Incompatible with strong acids and bases.

### 10.6 Hazardous decomposition products

Adequate ventilation is required.  
Heating can release vapours which can be ignited.  
Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Not classified based on available information.

#### Components:

##### 1-methoxy-2-propanol:

Acute oral toxicity : LD50 Oral (Rabbit): > 2.000 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg

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### **trizinc bis(orthophosphate):**

Acute oral toxicity : LD50 (Rat): 5.000 mg/kg

### **strontium bis(2-ethylhexanoate):**

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after single ingestion.

### **Skin corrosion/irritation**

Not classified based on available information.

### **Components:**

#### **strontium bis(2-ethylhexanoate):**

Result : irritating

### **Serious eye damage/eye irritation**

Not classified based on available information.

### **Components:**

#### **strontium bis(2-ethylhexanoate):**

Result : Corrosive

### **cobalt bis(2-ethylhexanoate):**

Result : Eye irritation

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified based on available information.

### **Components:**

#### **cobalt bis(2-ethylhexanoate):**

Result : The product is a skin sensitizer, sub-category 1A.

### **Germ cell mutagenicity**

Not classified based on available information.

### **Carcinogenicity**

Not classified based on available information.

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### Reproductive toxicity

Not classified based on available information.

### STOT - single exposure

May cause drowsiness or dizziness.

### Components:

#### hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics:

Assessment : May cause drowsiness or dizziness.

#### 1-methoxy-2-propanol:

Assessment : May cause drowsiness or dizziness.

### STOT - repeated exposure

Not classified based on available information.

### Aspiration toxicity

Not classified based on available information.

### Components:

#### hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics:

May be fatal if swallowed and enters airways.

### Further information

### Product:

Remarks : Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.  
Concentrations substantially above the TLV value may cause narcotic effects.  
Solvents may degrease the skin.

## SECTION 12: Ecological information

### 12.1 Toxicity

### Components:

#### 1-methoxy-2-propanol:

Toxicity to fish : LC50 (Fish): > 1.000 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : LC50 (Daphnia (water flea)): > 1.000 mg/l  
aquatic invertebrates

Toxicity to algae/aquatic : LC50 (algae): > 1.000 mg/l  
plants



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### trizinc bis(orthophosphate):

#### Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity :

Very toxic to aquatic life with long lasting effects.

### zinc oxide:

Toxicity to fish : LC50 (Danio rerio (zebra fish)):  $\geq 1,793$  mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia (water flea)):  $\geq 2,6$  mg/l  
aquatic invertebrates Exposure time: 48 h

Toxicity to algae/aquatic : IC50 (Desmodesmus subspicatus (green algae)):  $\geq 0,136$   
plants mg/l  
Exposure time: 72 h

#### Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity :

Very toxic to aquatic life with long lasting effects.

### zinc 5-nitroisophthalate:

#### Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity :

Toxic to aquatic life with long lasting effects.

### cobalt bis(2-ethylhexanoate):

#### Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

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Chronic aquatic toxicity :

Harmful to aquatic life with long lasting effects.

### 12.2 Persistence and degradability

#### Components:

##### **zinc oxide:**

Biodegradability : Result: Biodegradable

### 12.3 Bioaccumulative potential

#### Components:

##### **1-methoxy-2-propanol:**

Partition coefficient: n-octanol/water : log Pow: -0,437

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Other adverse effects

#### Product:

Endocrine disrupting potential : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Toxic to aquatic life.  
Harmful to aquatic life with long lasting effects.

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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

- |                        |   |  |
|------------------------|---|--|
| Product                | : | The product should not be allowed to enter drains, water courses or the soil.<br>Do not contaminate ponds, waterways or ditches with chemical or used container.<br>Send to a licensed waste management company. |
| Contaminated packaging | : | Empty remaining contents.<br>Dispose of as unused product.<br>Do not re-use empty containers.<br>Do not burn, or use a cutting torch on, the empty drum.   |

### SECTION 14: Transport information

#### 14.1 UN number

- |      |   |         |
|------|---|---------|
| ADN  | : | UN 1263 |
| ADR  | : | UN 1263 |
| RID  | : | UN 1263 |
| IMDG | : | UN 1263 |
| IATA | : | UN 1263 |

#### 14.2 UN proper shipping name

- |      |   |       |
|------|---|-------|
| ADN  | : | PAINT |
| ADR  | : | PAINT |
| RID  | : | PAINT |
| IMDG | : | PAINT |
| IATA | : | Paint |

#### 14.3 Transport hazard class(es)

- |      | Class | Subsidiary risks |
|------|-------|------------------|
| ADN  | :     | 3                |
| ADR  | :     | 3                |
| RID  | :     | 3                |
| IMDG | :     | 3                |
| IATA | :     | 3                |

#### 14.4 Packing group

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### ADN

Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3

### ADR

Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3  
Tunnel restriction code : (D/E)

### RID

Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3

### IMDG

Packing group : III  
Labels : 3  
EmS Code : F-E, S-E

### IATA (Cargo)

Packing instruction (cargo aircraft) : 366  
Packing instruction (LQ) : Y344  
Packing group : III  
Labels : Flammable Liquids

### IATA (Passenger)

Packing instruction (passenger aircraft) : 355  
Packing instruction (LQ) : Y344  
Packing group : III  
Labels : Flammable Liquids

## 14.5 Environmental hazards

### ADN

Environmentally hazardous : no

### ADR

Environmentally hazardous : no

### RID

Environmentally hazardous : no

### IMDG

Marine pollutant : no

## 14.6 Special precautions for user

Remarks : ADR: Packages smaller than or equal to 450 litres, not

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goods/merchandise of Class 3 (exemption ADR 2.2.3.1.5)  
IMDG: Packages smaller than or equal to 450 litres, not  
goods/merchandise of Class 3; "transport acc. IMDG-code  
2.3.2.5"

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17)	:	Conditions of restriction for the following entries should be considered: Number on list 3
UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation	:	Not applicable
The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)	:	Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	:	Not applicable
UK REACH List of substances subject to authorisation (Annex XIV)	:	Not applicable
GB Export and import of hazardous chemicals - Prior Informed Consent (PIC) Regulation	:	Not applicable
Control of Major Accident Hazards Regulations 2015 (COMAH)	P5c	FLAMMABLE LIQUIDS
Volatile organic compounds	:	Directive 2004/42/EC Volatile organic compounds (VOC) content: 500 g/l

#### Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

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### SECTION 16: Other information

#### Full text of H-Statements

H226	: Flammable liquid and vapour.
H302	: Harmful if swallowed.
H304	: May be fatal if swallowed and enters airways.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H319	: Causes serious eye irritation.
H336	: May cause drowsiness or dizziness.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.
H411	: Toxic to aquatic life with long lasting effects.
H412	: Harmful to aquatic life with long lasting effects.

#### Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Asp. Tox.	: Aspiration hazard
Eye Dam.	: Serious eye damage
Eye Irrit.	: Eye irritation
Flam. Liq.	: Flammable liquids
Repr.	: Reproductive toxicity
Skin Irrit.	: Skin irritation
Skin Sens.	: Skin sensitisation
STOT SE	: Specific target organ toxicity - single exposure
2000/39/EC	: Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
2004/37/EC	: Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work
GB EH40	: UK. EH40 WEL - Workplace Exposure Limits
2000/39/EC / TWA	: Limit Value - eight hours
2000/39/EC / STEL	: Short term exposure limit
2004/37/EC / TWA	: Long term exposure limit
GB EH40 / TWA	: Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL	: Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good La-

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boratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

Flam. Liq. 3	H226
STOT SE 3	H336
Aquatic Chronic 3	H412

#### Classification procedure:

Based on product data or assessment
Calculation method
Calculation method

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