

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## TESSAROL VARNISH FOR BOATS

Version	Revision Date:	SDS Number:	Date of last issue: 17.08.2020
1.1	18.08.2020	MAT000477093 GB / EN	Date of first issue: 17.08.2020

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

#### 1.1 Product identifier

Product code : 47709301

Trade name : TESSAROL VARNISH FOR BOATS

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

Use of the Sub-  
stance/Mixture : SU19 Building and construction work  
Professional and consumer use of coatings, Roller application  
or brushing, Non industrial spraying  
PC9a Coatings and paints, thinners, paint removers

#### 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 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)

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.

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### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

Hazard statements : H226 Flammable liquid and vapour.  
H336 May cause drowsiness or dizziness.

Precautionary statements : P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.

#### Prevention:

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.

#### Response:

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

#### Storage:

P405 Store locked up.

#### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

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

#### Additional Labelling

EUH208 Contains 2-butanone oxime. May produce an allergic reaction.

### 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.	Classification	Concentration (% w/w)

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	Registration number		
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics	64742-48-9 919-857-5 01-2119463258-33	Flam. Liq. 3; H226 STOT SE 3; H336 Asp. Tox. 1; H304	>= 30 - < 50
1-methoxy-2-propanol	107-98-2 203-539-1 603-064-00-3 01-2119457435-35	Flam. Liq. 3; H226 STOT SE 3; H336	>= 1 - < 10
2-ethylhexanoic acid, zirconium salt	22464-99-9 245-018-1 01-2119979088-21	Repr. 2; H361d	>= 0,1 - < 1
2-butanone oxime	96-29-7 202-496-6 616-014-00-0 01-2119539477-28	Acute Tox. 4; H312 Eye Dam. 1; H318 Skin Sens. 1; H317 Carc. 2; H351	>= 0,1 - < 1

### 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.  
Take victim immediately to hospital.

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

- Risks : May cause drowsiness or dizziness.

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

- Treatment : Treat symptomatically.

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### 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.

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### SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.  
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 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, ver-

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miculite) and place in container for disposal according to local / national regulations (see section 13).

### 6.4 Reference to other sections

For disposal considerations see section 13., For personal protection see section 8.

## 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.  
Avoid contact with skin and eyes.  
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.  
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
- 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 : When using do not eat or drink.  
When using do not smoke.  
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.

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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
1-methoxy-2-propanol	107-98-2	TWA	100 ppm 375 mg/m <sup>3</sup>	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	150 ppm 568 mg/m <sup>3</sup>	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
		TWA	100 ppm 375 mg/m <sup>3</sup>	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/m <sup>3</sup>	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.			
2-ethylhexanoic acid, zirconium salt	22464-99-9	TWA	5 mg/m <sup>3</sup> (Zirconium)	GB EH40
		STEL	10 mg/m <sup>3</sup> (Zirconium)	GB EH40

##### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
1-methoxy-2-propanol	Workers	Inhalation	Long-term systemic effects	369 mg/m <sup>3</sup>
	Workers	Inhalation	Acute systemic effects	553,5 mg/m <sup>3</sup>
	Workers	Inhalation	Acute local effects	553,5 mg/m <sup>3</sup>
	Workers	Inhalation	Long-term systemic effects	43,9 mg/m <sup>3</sup>
	Workers	Dermal	Long-term systemic effects	183 mg/kg bw/day
2-ethylhexanoic acid, zirconium salt	Consumers	Dermal	Long-term systemic effects	78 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	33 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	32 mg/m <sup>3</sup>
	Consumers	Inhalation	Long-term systemic effects	8 mg/m <sup>3</sup>
	Consumers	Oral	Long-term systemic effects	2,5 mg/kg bw/day
	Workers	Dermal	Long-term systemic	6,49 mg/kg

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			effects	bw/day
	Consumers	Dermal	Long-term systemic effects	3,25 mg/kg bw/day
2-butanone oxime	Workers	Inhalation	Long-term systemic effects	9 mg/m <sup>3</sup>
	Workers	Inhalation	Long-term local effects	3,33 mg/m <sup>3</sup>
	Consumers	Inhalation	Long-term systemic effects	2,7 mg/m <sup>3</sup>
	Consumers	Inhalation	Long-term local effects	2 mg/m <sup>3</sup>
	Workers	Dermal	Long-term systemic effects	1,3 mg/kg bw/day
	Consumers	Dermal	Long-term systemic effects	0,78 mg/kg bw/day
	Workers	Dermal	Acute systemic effects	2,5 mg/kg bw/day
	Consumers	Dermal	Acute systemic effects	1,5 mg/kg bw/day

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
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
2-ethylhexanoic acid, zirconium salt	Soil	1,06 mg/kg dry weight (d.w.)
	Marine water	0,036 mg/l
	Fresh water	0,36 mg/l
	Marine sediment	0,637 mg/kg dry weight (d.w.)
	Fresh water sediment	6,37 mg/kg dry weight (d.w.)
	Sewage treatment plant	71,7 mg/l
	Intermittent use/release	0,493 mg/l
2-butanone oxime	Fresh water	0,256 mg/l
	Sewage treatment plant	177 mg/l
	Intermittent use/release	0,118 mg/l

## 8.2 Exposure controls

### Personal protective equipment

Eye protection : Safety glasses with side-shields conforming to EN166  
Hand protection :  
Directive : Equipment should conform to EN 374

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Material : Viton®  
Rate of permeability : > 480 min  
Protective index : Class 6

Material : PVA  
Rate of permeability : > 480 min  
Protective index : Class 6

Glove thickness : > 0,5 mm

Remarks : The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.  
The obtained break through times according to EN 374 Part III are not measured under normal operating conditions. Therefore a maximum usage time of 50% of the break through time is recommended.  
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.  
Nitrile gloves are not suitable.  
Take note of the information given by the producer concerning permeability, degradation and break through times, and of special work

Skin and body protection : Long sleeved clothing  
Safety shoes

Respiratory protection : In case of inadequate ventilation wear respiratory protection.  
EN-143; EN-149; EN-529

Filter type : A/P2

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 : 0,0 °C (calculation method (principal components, lowest value))

Boiling point/boiling range : 100 °C (calculation method (principal components, lowest value))



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Flash point : 43 °C (calculation method (principal components, lowest value))

40 °C

Upper explosion limit / Upper flammability limit : 6 %(V)(calculation method (principal components, highest value))

Lower explosion limit / Lower flammability limit : 0,7 %(V)(calculation method (principal components, lowest value))

Relative density : 78,09 (calculation method (principal components, average value))

Density : 0,90 - 0,93 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 : No data available

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

## 9.2 Other information

No data available

VOC : (Directive 2004/42/EC)  
400 g/l

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

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### 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 : Strong oxidizing agents

### 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).

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Not classified based on available information.

#### Components:

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

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

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

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

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

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

#### 2-butanone oxime:

Acute dermal toxicity : Assessment: The component/mixture is moderately toxic after single contact with skin.

#### Skin corrosion/irritation

Not classified based on available information.

#### Product:

: May cause skin irritation and/or dermatitis.

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### Serious eye damage/eye irritation

Not classified based on available information.

#### Product:

: Vapours may cause irritation to the eyes, respiratory system and the skin.

#### Components:

##### 2-butanone oxime:

Result : Corrosive

### Respiratory or skin sensitisation

#### Skin sensitisation

Not classified based on available information.

#### Respiratory sensitisation

Not classified based on available information.

#### Product:

: Causes sensitisation.

#### Components:

##### 2-butanone oxime:

Result : Probability or evidence of skin sensitisation in humans

### Germ cell mutagenicity

Not classified based on available information.

### Carcinogenicity

Not classified based on available information.

#### Components:

##### 2-butanone oxime:

Carcinogenicity - Assessment : Limited evidence of carcinogenicity in animal studies

### Reproductive toxicity

Not classified based on available information.

#### Components:

##### 2-ethylhexanoic acid, zirconium salt:

Reproductive toxicity - Assessment : Some evidence of adverse effects on development, based on animal experiments.

### STOT - single exposure

May cause drowsiness or dizziness.

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### 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:

: 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:

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

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

#### **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 : LC50 (algae): > 1.000 mg/l

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### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

#### Components:

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

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

#### **2-butanone oxime:**

Partition coefficient: n-octanol/water : log Pow: 0,65

### 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:

Additional ecological information : No data available

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

Waste Code : 08 01 11, waste paint and varnish containing organic solvents or other hazardous substances

## SECTION 14: Transport information

### 14.1 UN number

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**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)

**ADN** : 3  
**ADR** : 3  
**RID** : 3  
**IMDG** : 3  
**IATA** : 3

### 14.4 Packing group

**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) : 366

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aircraft)  
Packing instruction (LQ) : Y344  
Packing group : III  
Labels : Class 3 - Flammable liquids

### IATA (Passenger)

Packing instruction (passenger aircraft) : 355  
Packing instruction (LQ) : Y344  
Packing group : III  
Labels : Class 3 - 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 goods/merchandise of Class 3 (exemption 2.2.3.1.5)  
IMDG: Packages smaller than or equal to 450 litres, not goods/merchandise of Class 3

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : Not applicable  
REACH - List of substances subject to authorisation (Annex XIV) : Not applicable  
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable  
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable  
Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable  
REACH - Restrictions on the manufacture, placing on : Conditions of restriction for the fol-

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1.1

Revision Date:  
18.08.2020

SDS Number:  
MAT000477093  
GB / EN

Date of last issue: 17.08.2020  
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the market and use of certain dangerous substances, preparations and articles (Annex XVII)

lowing entries should be considered:  
Number on list 3  
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics (Number on list 29)  
benzene (Number on list 72, 5, 29, 28)

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

P5c FLAMMABLE LIQUIDS

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Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams),(d) heavy fuel oils (e) alternative fuels serving the same purposes and with similar properties as regards flammability and environmental hazards as the products referred to in points (a) to (d)

Volatile organic compounds : Directive 2004/42/EC  
Volatile organic compounds (VOC) content: 400 g/l

### Other regulations:

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

## SECTION 16: Other information

### Full text of H-Statements

H226 : Flammable liquid and vapour.  
H304 : May be fatal if swallowed and enters airways.  
H312 : Harmful in contact with skin.  
H317 : May cause an allergic skin reaction.  
H318 : Causes serious eye damage.  
H336 : May cause drowsiness or dizziness.  
H351 : Suspected of causing cancer.  
H361d : Suspected of damaging the unborn child.

### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Asp. Tox. : Aspiration hazard



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



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Carc.	: Carcinogenicity
Eye Dam.	: Serious eye damage
Flam. Liq.	: Flammable liquids
Repr.	: Reproductive toxicity
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
GB EH40	: UK. EH40 WEL - Workplace Exposure Limits
2000/39/EC / TWA	: Limit Value - eight hours
2000/39/EC / STEL	: Short 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 - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; 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 Laboratory 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; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

Flam. Liq. 3	H226
STOT SE 3	H336

#### Classification procedure:

Based on product data or assessment
Calculation method

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