

Trade name: Proterra COLOR-SOLID-OIL PEX GB 1125X-FT

Version: 17 / GB

Revision: 30.11.2022

Replaces Version: 16 / GB

Print date: 16.01.23

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

### 1.1. Product identifier

Proterra COLOR-SOLID-OIL PEX GB 1125X-FT

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

#### Use of the substance/preparation

Surface treatment of wood and other materials

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

#### Manufacturer

Hesse GmbH & Co. KG  
Warendorfer Strasse 21  
59075 Hamm (Germany)  
Telephone no. +49 (0) 2381 963-00  
Fax no. +49 (0) 2381 963-849  
E-mail address ps@hesse-lignal.de

### 1.4. Emergency telephone number

Germany: +49 (0) 2381 788-612

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)  
Skin Sens. 1 H317  
Aquatic Chronic 3 H412

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008  
For explanation of abbreviations see section 16.

### 2.2. Label elements

#### Labelling according to regulation (EC) No 1272/2008

##### Hazard pictograms



##### Signal word

Warning

##### Hazard statements

H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.

##### Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.

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P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

### **Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)**

contains tung oil

### **Supplemental information**

#### **Further supplemental information**

Cleaning cloth soaked with the product can self ignite during packing up, therefore dry the cloth on a line or through spreading and dispose of after dry up.

### **2.3. Other hazards**

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

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

### **Hazardous ingredients**

#### **tung oil**

CAS No.	8001-20-5				
EINECS no.	232-272-3				
Concentration	>= 10	<	25	%	
Classification (Regulation (EC) No. 1272/2008)	Skin Sens. 1		H317		

#### **Naphtha (petroleum), hydrotreated heavy**

CAS No.	64742-48-9				
EINECS no.	919-857-5				
Registration no.	01-2119463258-33				
Concentration	>= 10	<	25	%	
Classification (Regulation (EC) No. 1272/2008)	Asp. Tox. 1		H304		

#### **hydrocarbons, C12-18**

EINECS no.	927-632-8				
Registration no.	01-2119457736-27				
Concentration	>= 1	<	10	%	
Classification (Regulation (EC) No. 1272/2008)	Asp. Tox. 1		H304		
			EUH066		

#### **Solvent Red 122**

CAS No.	12227-55-3				
Concentration	>= 0,1	<	0,3	%	
Classification (Regulation (EC) No. 1272/2008)	Aquatic Acute 1		H400		
	Aquatic Chronic 1		H410		

#### **2-ethylhexanoic acid zirconium salt**

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CAS No.	22464-99-9			
EINECS no.	245-018-1			
Registration no.	01-2119979088-21			
Concentration	>= 0,1	< 1	%	
Classification (Regulation (EC) No. 1272/2008)	Repr. 2	H361d		

**Note**

For explanation of abbreviations see section 16.

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. If unconscious place in recovery position and seek medical advice. First aider: Pay attention to self-protection! Remove affected person from danger area, lay him down.

#### **After inhalation**

In case of accident by inhalation: remove casualty to fresh air and keep at rest. Keep warm, calm and covered up. In all cases of doubt, or when symptoms persist, seek medical attention.

#### **After skin contact**

Wash off immediately with soap and water. Do NOT use solvents or thinners. Consult a doctor if skin irritation persists.

#### **After eye contact**

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice. Take medical treatment.

#### **After ingestion**

Do not induce vomiting. Take medical treatment.

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

Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. High concentration of vapours may cause irritation to eyes and respiratory system and produce narcotic effects.

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

#### **Hints for the physician / treatment**

Treat symptomatically.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Recommended: alcohol resistant foam, CO<sub>2</sub>, powders, water spray/mist

#### **Non suitable extinguishing media**

Do not use a solid water stream as it may scatter and spread fire.

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

Fire will produce dense black smoke. In a fire, hazardous decomposition products may be produced.

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Exposure to decomposition products may cause a health hazard. Vapours can form an explosive mixture with air.

### **5.3. Advice for firefighters**

#### **Special protective equipment for fire-fighting**

In case of combustion evolution of dangerous gases possible. Use self-contained breathing apparatus.

#### **Other information**

Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water. Standard procedure for chemical fires.

## **SECTION 6: Accidental release measures**

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

Eliminate all ignition sources if safe to do so. Ensure adequate ventilation. Do not inhale vapours. Do not inhale gases. Do not inhale mist.

### **6.2. Environmental precautions**

Do not allow to enter drains or waterways. Do not allow to enter soil, waterways or waste water canal. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Do NOT use solvents or thinners. Send in suitable containers for recovery or disposal.

### **6.4. Reference to other sections**

Refer to protective measures listed in Sections 7 and 8.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Keep container tightly closed and dry in a cool, well-ventilated place. Use only with adequate ventilation/personal protection. Ensure adequate ventilation. Provide for sufficient ventilation. This can be achieved by local exhaust or general exhaust air collection. Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values. Avoid contact with skin and eyes. Avoid inhalation of vapour and spray mist. Do not eat, drink or smoke when using this product. Use personal protective clothing. For personal protection see Section 8.

#### **Advice on protection against fire and explosion**

Vapours can form an explosive mixture with air. Vapours are heavier than air and may spread along floors. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Take measures to prevent the build up of electrostatic charge. Wear shoes with conductive soles. No sparking tools should be used. Fight fire with normal precautions from a reasonable distance. Do not process in the same cabin together with highly flammable material (e.g. CN lacquer) => fire hazard through self ignition! Cleaning cloth soaked with the product can self ignite during packing up, therefore dry the cloth on a line or through spreading and dispose of after dry up.

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

### Requirements for storage rooms and vessels

Provide solvent-resistant and impermeable floor. Keep only in the original container in a cool, well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### Hints on storage assembly

Store away from oxidising agents, from strongly alkaline and strongly acid materials.

### Storage classes

Storage class according to TRGS 510      10      Flammable liquids

### Further information on storage conditions

Keep away from heat. Protect from sunlight. Keep away from sources of ignition - No smoking. Store in accordance with the particular national regulations.

## 7.3. Specific end use(s)

See exposure scenario, if available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limit values

##### Naphtha (petroleum), hydrotreated heavy

Value      1200      mg/m<sup>3</sup>

Status: 01/2020

#### Other information

-

#### Derived No/Minimal Effect Levels (DNEL/DMEL)

##### 2-ethylhexanoic acid zirconium salt

Type of value	Derived No Effect Level (DNEL)	
Reference group	Workers (industrial)	
Duration of exposure	Long-term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	32,97	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Workers (industrial)	
Duration of exposure	Long-term	
Route of exposure	Dermal exposure	
Mode of action	Systemic effects	
Concentration	6,49	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long-term	
Route of exposure	Oral exposure	
Mode of action	Systemic effects	
Concentration	4,51	mg/kg/d

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Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long-term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	8,13	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long-term	
Route of exposure	Dermal exposure	
Mode of action	Systemic effects	
Concentration	3,25	mg/kg/d

### **Predicted No Effect Concentration (PNEC)**

#### **2-ethylhexanoic acid zirconium salt**

Type of value	PNEC	
Type	Freshwater	
Concentration	0,36	mg/l

Type of value	PNEC	
Type	Saltwater	
Concentration	0,036	mg/l

Type of value	PNEC	
Type	Fresh water sediment	
Concentration	6,37	mg/kg

Type of value	PNEC	
Type	saltwater sediment	
Concentration	0,637	mg/kg

Type of value	PNEC	
Type	Soil	
Concentration	1,06	mg/kg

Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	71,7	mg/kg

## **8.2. Exposure controls**

### **Exposure controls**

Users are advised to consider national Occupational Exposure Limits or other equivalent values. Provide for sufficient ventilation. This can be achieved by local exhaust or general exhaust air collection. Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values.

### **Respiratory protection**

Respiratory protection not applicable; Use breathing apparatus if exposed to vapours/dust/aerosol.  
Recommended Filter type: Respiratory protection mask with combination filter A/P2

### **Hand protection**

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Protective gloves complying with EN 374.

Glove material

Appropriate Material Nitrile rubber

Material thickness  $\geq$  0,4 mm

Breakthrough time  $\geq$  30 min

This recommendation is valid only for the product named in this safety data sheet supplied by us, and only for the indicated intended use purposes.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

The breakthrough time must be greater than the end use time of the product.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.

### Eye protection

Wear eye glasses with side protection according to EN 166.

### Body protection

Wear suitable protective clothing. Remove contaminated clothing and wash it before reuse. Wash hands before breaks and after work.

## SECTION 9: Physical and chemical properties

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

**Physical state** liquid

**Colour** black

**Odour** characteristic

#### Melting point

Remarks not determined

#### Freezing point

Remarks not determined

#### Boiling point or initial boiling point and boiling range

Value 130 to 250 °C

#### Flammability

not determined

#### Upper and lower explosive limits

Remarks not determined

#### Flash point

Value  $>$  60 °C

#### Ignition temperature

Remarks not determined

#### Decomposition temperature

Remarks not determined

#### Viscosity

Remarks not determined

#### Solubility(ies)

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Remarks not determined

**Partition coefficient n-octanol/water (log value)**

Remarks not determined

**Vapour pressure**

Remarks not determined

**Density and/or relative density**

Value 1,0 kg/l

**Relative vapour density**

Remarks not determined

**Particle characteristics**

Remarks not determined

**9.2. Other information**

**Odour threshold**

Remarks not determined

**Evaporation rate**

Remarks not determined

**Solubility in water**

Remarks not determined

**Efflux time**

Value 60 to 80 s  
Temperature 20 °C  
Method DIN 53211 4 mm

**Explosive properties**

evaluation not determined

**Oxidising properties**

Remarks not determined

**Non-volatile content**

Value 62,2 %  
Method calculated value

**Other information**

This information is not available.

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

Stable under recommended storage and handling conditions (see section 7).

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

To avoid thermal decomposition, do not overheat.

**10.4. Conditions to avoid**

Isolate from sources of heat, sparks and open flame.

**10.5. Incompatible materials**



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Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

## 10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide, nitrous oxides (NO<sub>x</sub>), dense black smoke, No decomposition if used as prescribed.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute oral toxicity

Method	Calculation method (Regulation (EC) No. 1272/2008)
Remarks	Based on available data, the classification criteria are not met.

#### Acute dermal toxicity

Method	Calculation method (Regulation (EC) No. 1272/2008)
Remarks	Based on available data, the classification criteria are not met.

#### Acute inhalational toxicity

Method	Calculation method (Regulation (EC) No. 1272/2008)
Remarks	Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation

Method	Calculation method (Regulation (EC) No. 1272/2008)
Remarks	Based on available data, the classification criteria are not met.

#### Serious eye damage/irritation

Method	Calculation method (Regulation (EC) No. 1272/2008)
Remarks	Based on available data, the classification criteria are not met.

#### Sensitization

evaluation	May cause sensitization by skin contact.
Method	Calculation method (Regulation (EC) No. 1272/2008)
Remarks	The classification criteria are met.

#### Sensitization (Components)

<b>tung oil</b>	
evaluation	May cause sensitization by skin contact.

#### Mutagenicity

Method	Calculation method (Regulation (EC) No. 1272/2008)
Remarks	Based on available data, the classification criteria are not met.

#### Reproductive toxicity

Method	Calculation method (Regulation (EC) No. 1272/2008)
Remarks	Based on available data, the classification criteria are not met.

#### Reproduction toxicity (Components)

<b>2-ethylhexanoic acid zirconium salt</b>	
evaluation	Toxic to Reproduction Category 2

#### Carcinogenicity

Method	Calculation method (Regulation (EC) No. 1272/2008)
Remarks	Based on available data, the classification criteria are not met.

#### Specific Target Organ Toxicity (STOT)

Single exposure

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Method Calculation method (Regulation (EC) No. 1272/2008)  
Remarks Based on available data, the classification criteria are not met.

**Repeated exposure**  
Remarks Based on available data, the classification criteria are not met.

**Aspiration hazard**  
Based on available data, the classification criteria are not met.

## 11.2 Information on other hazards

**Endocrine disrupting properties with respect to humans**  
The product does not contain a substance that has endocrine disrupting properties with respect to humans.

**Other information**  
No toxicological data are available.

## SECTION 12: Ecological information

### 12.1. Toxicity

**General information**  
For this subsection there is no ecotoxicological data available on the product as such.

#### Fish toxicity (Components)

**hydrocarbons, C12-18**  
LC50 > 1028 mg/l  
Duration of exposure 96 h  
**hydrocarbons, C12-18**  
Species Oncorhynchus mykiss (rainbow trout)  
NOEC > 10000 mg/l  
Duration of exposure 31 Weeks

#### Daphnia toxicity (Components)

**hydrocarbons, C12-18**  
Species Daphnia magna (Water flea)  
EC50 > 3193 mg/l  
Duration of exposure 48 h  
**hydrocarbons, C12-18**  
Species Daphnia magna (Water flea)  
NOEC > 1000 mg/l  
Duration of exposure 21 d  
**Solvent Red 122**  
Species Daphnia magna (Water flea)  
EC50 < 0,1 mg/l  
Duration of exposure 48 h

### 12.2. Persistence and degradability

**General information**  
For this subsection there is no ecotoxicological data available on the product as such.

#### Biodegradability (Components)

**hydrocarbons, C12-18**  
Value > 82 %

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Duration of test 28 d

### 12.3. Bioaccumulative potential

#### General information

For this subsection there is no ecotoxicological data available on the product as such.

#### Partition coefficient n-octanol/water (log value)

Remarks not determined

### 12.4. Mobility in soil

#### General information

For this subsection there is no ecotoxicological data available on the product as such.

#### Mobility in soil

no data available

### 12.5. Results of PBT and vPvB assessment

#### General information

For this subsection there is no ecotoxicological data available on the product as such.

#### Results of PBT and vPvB assessment

The product contains no PBT substances

The product contains no vPvB substances.

### 12.6 Endocrine disrupting properties

#### Endocrine disrupting properties with respect to the environment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

### 12.7. Other adverse effects

#### General information

For this subsection there is no ecotoxicological data available on the product as such.

#### General information / ecology

For this subsection there is no ecotoxicological data available on the product as such.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations for the product

EWC waste code 080111 - waste paint and varnish containing organic solvents or other dangerous substances

EWC waste code 200127 - paint, inks, adhesives and resins containing dangerous substances

Where possible recycling is preferred to disposal or incineration.

Do not allow to enter drains or waterways.

#### modified product

EWC waste code 080113 - sludges from paint or varnish containing organic solvents or other dangerous substances

EWC waste code 080115 - aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances

#### Dried residues

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EWC waste code

080112 - waste lacquers and waste paint except those falling under 080111

#### Disposal recommendations for packaging

EWC waste code

150110 - packaging containing residues of or contaminated by dangerous substances

Completely emptied packagings can be given for recycling.

### SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
<b>14.1. UN number</b>	Not classified as dangerous in the meaning of transport regulations.	Not classified as dangerous in the meaning of sea and air transport regulations.	Not a dangerous substance as defined in the above regulations.

### SECTION 15: Regulatory information

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

##### VOC

VOC (EU) 33,9 % 357 g/l

#### 15.2. Chemical safety assessment

For this substance / mixture a chemical safety assessment was not carried out.

### SECTION 16: Other information

#### Hazard statements listed in Chapter 3

EUH066 Repeated exposure may cause skin dryness or cracking.  
H304 May be fatal if swallowed and enters airways.  
H317 May cause an allergic skin reaction.  
H361d Suspected of damaging the unborn child.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

#### CLP categories listed in Chapter 3

Aquatic Acute 1 Hazardous to the aquatic environment, acute, Category 1  
Aquatic Chronic 1 Hazardous to the aquatic environment, chronic, Category 1  
Asp. Tox. 1 Aspiration hazard, Category 1  
Repr. 2 Reproductive toxicity, Category 2  
Skin Sens. 1 Skin sensitization, Category 1

#### Abbreviations

ADR - Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID - Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IMDG - International Maritime Code for Dangerous Goods  
IATA - International Air Transport Association  
IATA-DGR - Dangerous Goods Regulations by the "International Air Transport Association" (IATA)



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ICAO-TI - Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS - Globally Harmonized System of Classification and Labelling of Chemicals

EINECS - European Inventory of Existing Commercial Chemical Substances

CAS - Chemical Abstracts Service (division of the American Chemical Society)

GefStoffV - Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LOAEL - Lowest Observed Adverse Effect Level

LOEL - Lowest Observed Effect Level

NOAEL - No Observed Adverse Effect Level

NOEC - No Observed Effect Concentration

NOEL - No Observed Effect Level

OECD - Organisation for Economic Cooperation and Development

VOC - Volatile Organic Compounds

Changes since the last version are highlighted in the margin (\*\*\*). This version replaces all previous versions.

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

The information contained herein is based on the present state of our knowledge and does therefore not guarantee certain properties.