

Trade name: Treatex External Oak Protection 31550

Version: 1 / GB

Date created/revised: 24.06.16

Replaces Version: - / GB

Print date: 29.04.16

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

### 1.1. Product identifier

Treatex External Oak Protection 31550

### 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

#### Producer

Treatex Ltd, Unit I, Howland Road Business Park,  
Howland Road, Thame, Oxfordshire,  
OX9 3GQ  
Telephone no. +49 (0) 1844 260416  
Fax no. +49 (0) 1844 358160  
E-mail address info@treatex.co.uk

### 1.4. Emergency telephone number

+44 (0) 30 30686700

## 2. Hazards identification

### 2.1. Classification of the substance or mixture

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

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

### 2.2. Label elements

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

#### Supplemental information

EUH066 Repeated exposure may cause skin dryness or cracking.  
EUH210 Safety data sheet available on request.

#### 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

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB) (if not listed in Section 3).

## 3. Composition/information on ingredients

#### Hazardous ingredients (Regulation (EC) No. 1272/2008)

##### alkanes, C11-13-iso-

CAS No.	90622-58-5				
EINECS no.	920-901-0				
Registration no.	01-2119456810-40				
Concentration	>= 25	<	50	%	

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

Asp. Tox. 1 H304  
EUH066

**alkanes, C11-14-iso-**

CAS No. 90622-58-5

Concentration >= 10 < 25 %

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

Asp. Tox. 1 H304  
Aquatic Chronic 4 H413  
EUH066

**2-ethylhexanoic acid zirconium salt**

CAS No. 22464-99-9

EINECS no. 245-018-1

Registration no. 01-2119979088-21

Concentration >= 1 < 3 %

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

Repr. 2 H361d

**naphtha hydrodesulfurized heavy**

CAS No. 64742-48-9

EINECS no. 265-150-3

Registration no. 01-2119457273-39

Concentration >= 1 < 10 %

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

Asp. Tox. 1 H304  
EUH066

**Further hazardous ingredients**

For explanation of abbreviations see section 16.

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57) (if not listed in Section 3).

**4. First aid measures**

**4.1. Description of first aid measures**

**General information**

When symptoms persist or in all cases of doubt seek medical advice. If unconscious place in recovery position and seek medical advice. First aider needs to protect himself. Move out of dangerous area.

**After inhalation**

In case of accident by inhalation: remove casualty to fresh air and keep at rest. Keep patient warm and at rest. Consult a physician for severe cases.

**After skin contact**

Wash off immediately with soap and plenty of water. Do NOT use solvents or thinners. If skin irritation persists, call a physician.

**After eye contact**

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In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.

#### **After ingestion**

Do NOT induce vomiting. Consult a physician.

#### **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. The liquid splashed in the eyes may cause irritation and reversible damage.

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

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

Treat symptomatically.

### **5. Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

##### **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**

As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health. Vapours may form explosive mixtures with air.

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

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

Wear self contained breathing apparatus for fire fighting if necessary.

##### **Other information**

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

### **6. Accidental release measures**

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

Remove all sources of ignition. Ensure adequate ventilation. Avoid breathing vapours, mist or gas.

#### **6.2. Environmental precautions**

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. Contact the proper local authorities.

#### **6.3. Methods and material for containment and 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). Clean contaminated floors and objects thoroughly while observing environmental regulations. Clean with detergents. Avoid solvents. Keep in suitable, closed containers for disposal.

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

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Refer to protective measures listed in sections 7 and 8.

## 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 containers tightly closed in a dry, cool and well-ventilated place. Use only with adequate ventilation/personal protection. Ensure adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Avoid contact with the skin and the eyes. Do not breathe vapours or spray mist. When using, do not eat, drink or smoke. Use personal protective equipment. For personal protection see section 8.

#### Advice on protection against fire and explosion

Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread along floors. 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. Standard procedure for chemical fires. 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.

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

#### Requirements for storage rooms and vessels

Keep in an area equipped with solvent resistant flooring. Store at room temperature in the original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

#### Hints on storage assembly

Keep away from oxidising agents and strongly acid or alkaline materials.

#### Further information on storage conditions

Keep away from heat. Protect from sunlight. Protect from frost - <10%, for a solvent content (see section 15 VOC). 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.

## 8. Exposure controls/personal protection

### 8.1. Control parameters

#### Other information

-

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

##### naphtha hydrodesulfurized heavy

Type of value	DNEL
Reference group	Workers (professional)
Duration of exposure	Long-term
Route of exposure	Dermal exposure
Mode of action	systemic effect

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Concentration 300 mg/kg/d

Type of value DNEL  
 Reference group Workers (professional)  
 Duration of exposure Long-term  
 Route of exposure inhalative  
 Mode of action systemic effect  
 Concentration 1500 mg/m<sup>3</sup>

Type of value DNEL  
 Reference group Consumers  
 Duration of exposure Long-term  
 Route of exposure Dermal exposure  
 Mode of action systemic effect  
 Concentration 300 mg/kg/d

Type of value DNEL  
 Reference group Consumers  
 Duration of exposure Long-term  
 Route of exposure inhalative  
 Mode of action systemic effect  
 Concentration 900 mg/m<sup>3</sup>

Type of value DNEL  
 Reference group Consumers  
 Duration of exposure Long-term  
 Route of exposure Oral exposure  
 Mode of action systemic effect  
 Concentration 300 mg/kg/d

**2-ethylhexanoic acid zirconium salt**

Type of value DNEL  
 Reference group Workers (industrial)  
 Duration of exposure Long-term  
 Route of exposure inhalative  
 Mode of action systemic effect  
 Concentration 32,97 mg/m<sup>3</sup>

Type of value DNEL  
 Reference group Workers (industrial)  
 Duration of exposure Long-term  
 Route of exposure Dermal exposure  
 Mode of action systemic effect  
 Concentration 6,49 mg/kg/d

Type of value DNEL  
 Reference group Consumers  
 Duration of exposure Long-term  
 Route of exposure Oral exposure  
 Mode of action systemic effect  
 Concentration 4,51 mg/kg/d

Type of value DNEL

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Reference group	Consumers	
Duration of exposure	Long-term	
Route of exposure	inhalative	
Mode of action	systemic effect	
Concentration	8,13	mg/m <sup>3</sup>

Type of value	DNEL	
Reference group	Consumers	
Duration of exposure	Long-term	
Route of exposure	Dermal exposure	
Mode of action	systemic effect	
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	ground	
Concentration	1,06	mg/kg

Type of value	PNEC	
Type	sewage treatment plants (STP)	
Concentration	71,7	mg/kg

## 8.2. Exposure controls

### Exposure controls

Apply technical measures to comply with the workplace exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the WEL, suitable respiratory protection must be worn.

### Respiratory protection

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. Recommended Filter type: Combination filter: A2-P2 (EN 141, 143, 371)

### Skin protection

Protective gloves complying with EN 374.

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Glove material

Multilayer gloves made from

Appropriate Material Fluorinated rubber / butyl-rubber

This recommendation is only valid for the product mentioned in the safety data sheet and provided by us and for the application specified by us.

The exact break through time can be obtained from the protective glove producer and this has to be observed.

Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

### Eye/face protection

Safety glasses with side-shields conforming to EN166

### Individual protection measures

Wear suitable protective clothing. Remove and wash contaminated clothing before re-use. Wash hands before breaks and at the end of workday.

## 9. Physical and chemical properties

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

<b>Form</b>	liquid
<b>Colour</b>	colourless
<b>Odour</b>	mild
<b>Odour threshold</b>	
Remarks	no data available
<b>pH value</b>	
Remarks	no data available
<b>Melting point</b>	
Remarks	no data available
<b>Freezing point</b>	
Remarks	no data available
<b>Initial boiling point and boiling range</b>	
Value	172 to 217 °C
<b>Flash point</b>	
Value	> 60 °C
<b>Evaporation rate</b>	
Remarks	no data available
<b>Flammability (solid, gas)</b>	
Remarks	no data available
<b>Upper/lower flammability or explosive limits</b>	
Remarks	no data available
<b>Vapour density</b>	
Remarks	no data available
<b>Density</b>	
Value	0,9 g/cm <sup>3</sup>
Temperature	20 °C
<b>Solubility in water</b>	

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Remarks no data available

**Solubility(ies)**

Remarks no data available

**Partition coefficient: n-octanol/water**

Remarks no data available

**Ignition temperature**

Remarks no data available

**Decomposition temperature**

Remarks no data available

**Viscosity**

Remarks no data available

**Efflux time**

Value 88 s

Temperature 20 °C

Method DIN 53211 4 mm

**Explosive properties**

evaluation no data available

**Oxidising properties**

Remarks no data available

**9.2. Other information**

**Other information**

This information is not available.

**10. Stability and reactivity**

**10.1. Reactivity**

No conditions to be specially mentioned.

**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**

Heat, flames and sparks.

**Decomposition temperature**

Remarks no data available

**10.5. Incompatible materials**

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

**10.6. Hazardous decomposition products**

Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke. No decomposition if stored and applied as directed.

**11. Toxicological information**



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## 11.1. Information on toxicological effects

### Acute oral toxicity

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

### Acute oral toxicity (Components)

#### naphtha hydrodesulfurized heavy

Species	rat		
LD50	>	5000	mg/kg

#### alkanes, C11-14-iso-

Species	rat		
LD50	>	5000	mg/kg
Method	OECD 401		

#### alkanes, C11-13-iso-

Species	rat		
LD50	>	5000	mg/kg
Method	OECD 401		

### Acute dermal toxicity

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

### Acute dermal toxicity (Components)

#### naphtha hydrodesulfurized heavy

Species	rat		
LD50		3160	mg/kg

#### alkanes, C11-14-iso-

Species	rabbit		
LD50	>	5000	mg/kg

#### alkanes, C11-13-iso-

Species	rabbit		
LD50	>	5000	mg/kg

### Acute inhalational toxicity

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

### Acute inhalative toxicity (Components)

#### naphtha hydrodesulfurized heavy

Species	rat			
LC50	appr.	100		mg/l
Duration of exposure		4	h	
Remarks	Mist			

#### alkanes, C11-14-iso-

Species	rat			
LC50	>	5,6		mg/l
Duration of exposure	=	4	h	
Remarks	Mist			

#### alkanes, C11-13-iso-

Species	rat			
LC50	>	5,6		mg/l
Duration of exposure	=	4	h	
Remarks	Mist			

### Skin corrosion/irritation

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

**Serious eye damage/irritation**

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

**Sensitization**

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

**Mutagenicity**

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

**Reproductive toxicity**

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

**Reproduction toxicity (Components)**

**2-ethylhexanoic acid zirconium salt**

evaluation Toxic to Reproduction Category 3

**Carcinogenicity**

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

**Specific Target Organ Toxicity (STOT)**

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

**Aspiration hazard**

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

**Other information**

No data is available on the product itself.

**12. Ecological information**

**12.1. Toxicity**

**General information**

No data is available on the product itself.

**Fish toxicity (Components)**

**naphtha hydrodesulfurized heavy**

Species	Pimephales promelas (fathead minnow)		
LC50	2200		mg/l
Duration of exposure	96	h	

**alkanes, C11-13-iso-**

Species	Fish		
LC50/EC50/IC50/LL50/EL50	>	100	mg/l
0			
Duration of exposure	=	96	h

**Daphnia toxicity (Components)**

**naphtha hydrodesulfurized heavy**

Species	Chaetogammarus marinus		
EC50	2,6		mg/l
Duration of exposure	96	h	

**alkanes, C11-14-iso-**

Species	Daphnia magna (Water flea)		
EC50	>	1000	mg/l
Duration of exposure		48	h

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## 12.2. Persistence and degradability

### General information

No data is available on the product itself.

### Biodegradability (Components)

**alkanes, C11-14-iso-**  
evaluation Not readily biodegradable.

**alkanes, C11-13-iso-**  
evaluation Not readily biodegradable.

## 12.3. Bioaccumulative potential

### General information

No data is available on the product itself.

### Partition coefficient: n-octanol/water

Remarks no data available

## 12.4. Mobility in soil

### General information

No data is available on the product itself.

### Mobility in soil

no data available

## 12.5. Results of PBT and vPvB assessment

### General information

Not applicable

## 12.6. Other adverse effects

### General information

No data is available on the product itself.

### General information / ecology

No data is available on the product itself.

## 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.  
Try to prevent the material from entering drains or water courses.

#### 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

Empty remaining contents.

Empty containers should be taken to local recyclers for disposal.

### 14. Transport information

### 15. Regulatory information

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

##### VOC

VOC (EU) 46,8 % 429 g/l

##### Non-volatile content

Value [%] 52,9

#### 15.2. Chemical safety assessment

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

### 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.  
H361d Suspected of damaging the unborn child.  
H413 May cause long lasting harmful effects to aquatic life.

#### CLP categories listed in Chapter 3

Aquatic Chronic 4 Hazardous to the aquatic environment, chronic, Category 4  
Asp. Tox. 1 Aspiration hazard, Category 1  
Repr. 2 Reproductive toxicity, Category 2

#### 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)  
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

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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.