

Safety data sheet in accordance with regulation (EC) No 1907/2006

Trade name: Treatex Hardwax Oil Natural 11004

Version: 11 / GB

Date created/revised: 24.06.16

Replaces Version: 10 / GB

Print date: 28.04.15

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

1.1. Product identifier

Treatex Hardwax Oil Natural 11004

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. +44 (0) 1844 260416
Fax no. +44 (0) 1844 358160
E-mail address info@treatex.co.uk

1.4. Emergency telephone number

+49 (0) 30 30686700

2. Hazards identification

2.1. Classification of the substance or mixture

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

Classification (Regulation (EC) No. 1272/2008)
Flam. Liq. 3 H226

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

Classification in accordance with EC directives 1999/45/EC and 67/548/EEC

Reference to other sections 2.2. Label elements

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

-

Hazard pictograms



Signal word

Warning

Hazard statements

H226 Flammable liquid and vapour.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition

Safety data sheet in accordance with regulation (EC) No 1907/2006

Trade name: Treatex Hardwax Oil Natural 11004

Version: 11 / GB

Date created/revised: 24.06.16

Replaces Version: 10 / GB

Print date: 28.04.15

P241.3 sources. No smoking.
Use explosion-proof electrical equipment.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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

Supplemental information

EUH066 Repeated exposure may cause skin dryness or cracking.

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.

Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

R phrases

10 Flammable.
66 Repeated exposure may cause skin dryness or cracking.
67 Vapours may cause drowsiness and dizziness.

S phrases

2 Keep out of the reach of children.

Hazardous component(s) to be indicated on label

Special labelling for certain preparations

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, C11-14-iso-

CAS No.	90622-58-5
EINECS no.	918-167-1
Registration no.	01-2119472146-39
Concentration	>= 10 < 25 %
Classification	Xn, R65 R66 R53

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

Asp. Tox. 1	H304
Aquatic Chronic 4	H413
	EUH066

2-ethylhexanoic acid zirconium salt

Safety data sheet in accordance with regulation (EC) No 1907/2006

Trade name: Treatex Hardwax Oil Natural 11004

Version: 11 / GB

Date created/revised: 24.06.16

Replaces Version: 10 / GB

Print date: 28.04.15

CAS No. 22464-99-9
EINECS no. 245-018-1
Registration no. 01-2119979088-21
Concentration >= 1 < 3 %
Classification Repr.Cat.3, R63

Classification (Regulation (EC) No. 1272/2008)
Repr. 2 H361d

Hazardous ingredients (Directive 1999/45/EEC)**naphtha hydrodesulfurized heavy**

CAS No. 64742-48-9
EINECS no. 265-150-3
Registration no. 01-2119457273-39
Concentration >= 25 < 50 %
Classification R67
R66
Xn, R65

Classification (Regulation (EC) No. 1272/2008)
Asp. Tox. 1 H304
EUH066

alkanes, C11-14-iso-

CAS No. 90622-58-5
EINECS no. 918-167-1
Registration no. 01-2119472146-39
Concentration >= 10 < 25 %
Classification Xn, R65
R66
R53

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 < 10 %
Classification Repr.Cat.3, R63

Classification (Regulation (EC) No. 1272/2008)
Repr. 2 H361d

Further hazardous ingredients

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

Trade name: Treatex Hardwax Oil Natural 11004

Version: 11 / GB

Date created/revised: 24.06.16

Replaces Version: 10 / GB

Print date: 28.04.15

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

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.

Trade name: Treatex Hardwax Oil Natural 11004

Version: 11 / GB

Date created/revised: 24.06.16

Replaces Version: 10 / GB

Print date: 28.04.15

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

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.

Storage class according to the Occupation Safety Ordinance:

Flammable.

Further information on storage conditions

Safety data sheet in accordance with regulation (EC) No 1907/2006

Trade name: Treatex Hardwax Oil Natural 11004

Version: 11 / GB

Date created/revised: 24.06.16

Replaces Version: 10 / GB

Print date: 28.04.15

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.

8. Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

naphtha hydrodesulfurized heavy

List EH40
Value 1200 mg/m³
Status: 03/2013

alkanes, C11-14-iso-

List EH40
Value 1200 mg/m³
Status: 03/2013

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
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/m³

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/m³

Type of value DNEL
Reference group Consumers
Duration of exposure Long-term
Route of exposure Oral exposure
Mode of action systemic effect

Safety data sheet in accordance with regulation (EC) No 1907/2006

Trade name: Treatex Hardwax Oil Natural 11004

Version: 11 / GB

Date created/revised: 24.06.16

Replaces Version: 10 / GB

Print date: 28.04.15

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 ³

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

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

Safety data sheet in accordance with regulation (EC) No 1907/2006

Trade name: Treatex Hardwax Oil Natural 11004

Version: 11 / GB

Date created/revised: 24.06.16

Replaces Version: 10 / GB

Print date: 28.04.15

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)

Hand protection

Protective gloves complying with EN 374.

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 protection

Safety glasses with side-shields conforming to EN166

Body protection

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

Form	liquid
Colour	off-white
Odour	characteristic

Odour threshold

Remarks no data available

pH value

Remarks no data available

Safety data sheet in accordance with regulation (EC) No 1907/2006

Trade name: Treatex Hardwax Oil Natural 11004

Version: 11 / GB

Date created/revised: 24.06.16

Replaces Version: 10 / GB

Print date: 28.04.15

Melting point

Remarks no data available

Freezing point

Remarks no data available

Initial boiling point and boiling range

Value 153 to 217 °C

Flash point

Value 36 to 55 °C

Flammability (solid, gas)

no data available

Upper/lower flammability or explosive limits

Remarks no data available

Vapour density

Remarks no data available

DensityValue 0,9 g/cm³
Temperature 20 °C**Solubility in water**

Remarks immiscible

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 timeValue 50 to 62 s
Temperature 20 °C
Method DIN 53211 4 mm**Explosive properties**

evaluation no data available

Oxidising properties

Remarks no data available

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

No conditions to be specially mentioned.

10.2. Chemical stability

Safety data sheet in accordance with regulation (EC) No 1907/2006

Trade name: Treatex Hardwax Oil Natural 11004

Version: 11 / GB

Date created/revised: 24.06.16

Replaces Version: 10 / GB

Print date: 28.04.15

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 (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke. No decomposition if stored and applied as directed.

11. Toxicological information

11.1. Information on toxicological effects

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		

Acute dermal toxicity (Components)

naphtha hydrodesulfurized heavy

Species	rat		
LD50		3160	mg/kg

alkanes, C11-14-iso-

Species	rabbit		
LD50	>	5000	mg/kg

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		

Reproduction toxicity (Components)

2-ethylhexanoic acid zirconium salt

Safety data sheet in accordance with regulation (EC) No 1907/2006

Trade name: Treatex Hardwax Oil Natural 11004

Version: 11 / GB

Date created/revised: 24.06.16

Replaces Version: 10 / GB

Print date: 28.04.15

evaluation Toxic to Reproduction Category 3

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	

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	

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.

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

Safety data sheet in accordance with regulation (EC) No 1907/2006

Trade name: Treatex Hardwax Oil Natural 11004

Version: 11 / GB

Date created/revised: 24.06.16

Replaces Version: 10 / GB

Print date: 28.04.15

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

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

Land transport ADR/RID

14.1. UN number

UN 1263

14.2. UN proper shipping name

PAINT

14.3. Transport hazard class(es)

Class	3
Label	3

14.4. Packing group

Packing group	III
Special provision	640E
Limited Quantity	5I
Transport category	3
Tunnel restriction code	D/E

Marine transport IMDG/GGVSee

14.1. UN number

UN 1263

14.2. UN proper shipping name

Safety data sheet in accordance with regulation (EC) No 1907/2006

Trade name: Treatex Hardwax Oil Natural 11004

Version: 11 / GB

Date created/revised: 24.06.16

Replaces Version: 10 / GB

Print date: 28.04.15

PAINT

14.3. Transport hazard class(es)

Class 3

14.4. Packing group

Packing group III

14.5. Environmental hazards

no

Air transport ICAO/IATA

14.1. UN number

UN 1263

14.2. UN proper shipping name

PAINT

14.3. Transport hazard class(es)

Class 3

14.4. Packing group

Packing group III

15. Regulatory information ***

Ingredients (Regulation (EC) No 648/2004)

VOC ***

VOC (EU) 47,34 % 438,8 g/l

Non-volatile content

Value [%] 52,4

16. Other information

R-phrases listed in Chapter 3

53 May cause long-term adverse effects in the aquatic environment.
63 Possible risk of harm to the unborn child.
65 Harmful: may cause lung damage if swallowed.
66 Repeated exposure may cause skin dryness or cracking.
67 Vapours may cause drowsiness and dizziness.

Hazard statements listed in Chapter 3

H304 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)

Safety data sheet in accordance with regulation (EC) No 1907/2006

Trade name: Treatex Hardwax Oil Natural 11004

Version: 11 / GB

Date created/revised: 24.06.16

Replaces Version: 10 / GB

Print date: 28.04.15

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.

Safety data sheet in accordance with regulation (EC) No 1907/2006

Trade name: Treatex Hardwax Oil Natural 11004

Version: 11 / GB

Date created/revised: 24.06.16

Replaces Version: 10 / GB

Print date: 28.04.15