

Trade name: glimtrex Hardwax-Oil white 102001

Version: 16 / DE

Date created/revised: 05.05.2017

Replaces Version: 15 / DE

Print date: 12.06.17

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

### 1.1. Product identifier

glimtrex Hardwax-Oil white 102001

### 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

#### Identified Uses

	-----
SU22	REACHSET 2003 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
ERC8a	Wide dispersive indoor use of processing aids in open systems
ERC8c	Wide dispersive indoor use resulting in inclusion into or onto a matrix
PROC10	Roller application or brushing

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

#### Manufacturer

glimtrex GmbH  
Orkotten 68  
48291 Telgte  
Telephone no. +49 (0) 2504 88887-111  
Fax no. +49 (0) 2504 88887-112  
E-mail address info@glimtrex.de

### 1.4. Emergency telephone number

Germany: +49 (0) 30 19240

## 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  
STOT SE 3 H336

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

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**Hazard statements**

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

**Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P308+P315 IF exposed or concerned: Get medical advice/attention.  
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)**

contains naphtha hydrodesulfurized heavy

**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.

**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)****naphtha hydrodesulfurized heavy**

CAS No. 64742-48-9  
EINECS no. 265-150-3  
Registration no. 01-2119463258-33  
Concentration >= 20 < 25 %

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

Flam. Liq. 3 H226  
Asp. Tox. 1 H304  
STOT SE 3 H336  
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

**naphtha hydrodesulfurized heavy**

CAS No. 64742-48-9

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EINECS no. 265-150-3  
 Registration no. 01-2119486659-16  
 Concentration >= 1 < 10 %

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

**decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidiny) ester, reaction products with tert-butyl hydroperoxide and octane**

EINECS no. 406-750-9  
 Registration no. 01-2119480191-44  
 Concentration >= 1 < 10 %

Classification (Regulation (EC) No. 1272/2008)  
 Aquatic Chronic 4 H413

**branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-propionates**

CAS No. 127519-17-9  
 EINECS no. 407-000-6  
 Concentration >= 1 < 3 %

Classification (Regulation (EC) No. 1272/2008)  
 Aquatic Chronic 2 H411

**2-ethylhexanoic acid zirconium salt**

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

**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**

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.

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### **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.

## **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. 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.

## **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).

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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.

### 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.

#### 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 class according to the Occupation Safety Ordinance:

Flammable.

##### 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.

### 8. Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limit values

naphtha hydrodesulfurized heavy

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List TRGS 900  
 Value 600 mg/m<sup>3</sup>  
 Status: 11/2016

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

List TRGS 900  
 Value 600 mg/m<sup>3</sup>  
 Maximum limit value: 2(II); Status: 11/2016

**naphtha hydrodesulfurized heavy**

List TRGS 900  
 Value 600 mg/m<sup>3</sup>  
 Status: 11/2016

**Other information**

-

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

**naphtha hydrodesulfurized heavy**

Type of value Derived No Effect Level (DNEL)  
 Reference group Workers (professional)  
 Duration of exposure Long-term  
 Route of exposure Dermal exposure  
 Mode of action Systemic effects  
 Concentration 300 mg/kg/d

Type of value Derived No Effect Level (DNEL)  
 Reference group Workers (professional)  
 Duration of exposure Long-term  
 Route of exposure inhalative  
 Mode of action Systemic effects  
 Concentration 1500 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 300 mg/kg/d

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 900 mg/m<sup>3</sup>

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 300 mg/kg/d

**naphtha hydrodesulfurized heavy**

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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	208	mg/kg/d
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	871	mg/m <sup>3</sup>
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	125	mg/kg/d
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	125	mg/kg/d
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	900	mg/m <sup>3</sup>

## 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

Protective gloves complying with EN 374.

Glove material

Multilayer gloves made from

Appropriate Material Fluorinated rubber / butyl-rubber

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.

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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 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.

**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.

**9. Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Form</b>	liquid
<b>Colour</b>	white
<b>Odour</b>	characteristic
<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	180 to 217 °C
<b>Flash point</b>	
Value	43 °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	0,99 g/cm <sup>3</sup>
Temperature	20 °C
<b>Solubility in water</b>	
Remarks	no data available
<b>Solubility(ies)</b>	
Remarks	no data available
<b>Partition coefficient: n-octanol/water</b>	



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Remarks no data available

**Ignition temperature**

Remarks no data available

**Decomposition temperature**

Remarks no data available

**Viscosity****kinematic**Value > 21 mm<sup>2</sup>/s  
Temperature 40 °C**Efflux time**Value 26 to 32 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**

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.

**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 monoxide and carbon dioxide, nitrous oxides (NO<sub>x</sub>), dense black smoke, No decomposition if used as prescribed.**11. Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity**

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

**Acute oral toxicity (Components)**

**decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidinyl) ester, reaction products with tert-butyl hydroperoxide and octane**

Species	rat	
LD50	> 2000	mg/kg
Method	Limited Test	

**Acute dermal toxicity**

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

**Acute dermal toxicity (Components)**

**decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidinyl) ester, reaction products with tert-butyl hydroperoxide and octane**

Species	rabbit	
LD50	> 2000	mg/kg
Method	Limited Test	

**Acute inhalational toxicity**

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

**Skin corrosion/irritation**

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.

**Sensitization (Components)**

**quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, stearates, salts with bentonite**

evaluation No sensitizing effects known.

**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.

**Carcinogenicity**

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

**Specific Target Organ Toxicity (STOT)**

Remarks The classification criteria are met

**Aspiration hazard**

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

**Other information**

No toxicological data are available.

**12. Ecological information****12.1. Toxicity****General information**

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

### Fish toxicity (Components)

#### naphtha hydrodesulfurized heavy

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

#### naphtha hydrodesulfurized heavy

Species	Pimephales promelas (fathead minnow)		
NOEC	2,6		mg/l
Duration of exposure	14	d	

#### naphtha hydrodesulfurized heavy

Species	Oncorhynchus mykiss (rainbow trout)		
LC50	16		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	

#### decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidiny) ester, reaction products with tert-bu hydroperoxide and octane

Species	Daphnia magna (Water flea)		
EC50	71		mg/l
Duration of exposure	24	h	

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

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

#### naphtha hydrodesulfurized heavy

Species	Daphnia magna (Water flea)		
EC50	4,5		mg/l
Duration of exposure	48	h	

#### naphtha hydrodesulfurized heavy

Species	Daphnia magna (Water flea)		
NOEC	2,6		mg/l
Duration of exposure	21	d	

### Algae toxicity (Components)

#### naphtha hydrodesulfurized heavy

Species	Pseudokirchneriella subcapitata (green algae)		
EC50	3,1		mg/l
Duration of exposure	72	h	

## 12.2. Persistence and degradability

### General information

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

### Biodegradability (Components)

#### decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidiny) ester, reaction products with tert-bu hydroperoxide and octane

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Value	19	%
Duration of test evaluation	28 d	
	Not readily biodegradable.	
<b>alkanes, C11-14-iso-</b>		
evaluation	Not readily biodegradable.	
<b>naphtha hydrodesulfurized heavy</b>		
Value	77,05	%
Duration of test evaluation	28 d	
	Readily biodegradable.	

### 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

Remarks no data available

### 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.

### 12.6. 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.

## 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.  
Germany: KBS system for sheet covering

**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  
Limited Quantity 5 I  
Transport category 3  
Tunnel restriction code D/E

**Marine transport IMDG/GGVSee**

**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

**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**

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

**Water Hazard Class (Germany)**

Water Hazard Class WGK 1  
(Germany)

**VOC**

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VOC (EU)	44,7	%	443	g/l
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**Non-volatile content**

Value [%]	55
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**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.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

**CLP categories listed in Chapter 3**

Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Aquatic Chronic 4	Hazardous to the aquatic environment, chronic, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Liq. 3	Flammable liquid, Category 3
Repr. 2	Reproductive toxicity, Category 2
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

**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

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.

Trade name: glimtrex Hardwax-Oil white 102001

Version: 16 / DE

Date created/revised: 05.05.2017

Replaces Version: 15 / DE

Print date: 12.06.17

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.

## Annex to the extended Safety Data Sheet (eSDS)

### Short title of the exposure scenario

ES026 - Professional uses: roller application or brushing, dipping and pouring and other processing without aerosol formation (inside)

### Use of the substance/preparation

Surface treatment of wood and other materials

### Use

SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
ERC8a	Wide dispersive indoor use of processing aids in open systems
ERC8c	Wide dispersive indoor use resulting in inclusion into or onto a matrix
PROCh01	Other processing without aerosol formation
PROC10	Roller application or brushing
PROC13	Treatment of articles by dipping and pouring

## Contributing exposure scenario controlling environmental exposure

### Use

ERC8a	Wide dispersive indoor use of processing aids in open systems
ERC8c	Wide dispersive indoor use resulting in inclusion into or onto a matrix

### Physical form

liquid

### Hazardous ingredients

#### naphtha hydrodesulfurized heavy

CAS No.	64742-48-9
EINECS no.	265-150-3
Registration no.	01-2119463258-33
Concentration	>= 20 < 25 %

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

CAS No.	90622-58-5
Concentration	>= 10 < 25 %

#### naphtha hydrodesulfurized heavy

CAS No.	64742-48-9
EINECS no.	265-150-3
Registration no.	01-2119486659-16
Concentration	>= 1 < 10 %

#### decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidiny) ester, reaction products with tert-butyl hydroperoxide and octane

EINECS no.	406-750-9
Registration no.	01-2119480191-44
Concentration	>= 1 < 10 %

#### branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-propionates

CAS No.	127519-17-9
EINECS no.	407-000-6

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Concentration &gt;= 1 &lt; 3 %

**2-ethylhexanoic acid zirconium salt**

CAS No. 22464-99-9

EINECS no. 245-018-1

Registration no. 01-2119979088-21

Concentration &gt;= 0,1 &lt; 1 %

**Maximum amount used per time or activity**

Emission days per site: &lt;= 250

**Other relevant operational conditions**

Use: Room temperature

Drying and through-curing takes place at ambient temperature or at higher temperatures.

Volatile organic substances will volatilise into the atmospheric air inside.

Where possible recycling is preferred to disposal or incineration.

Do not allow to enter soil, waterways or waste water canal.

Dispose of rinse water in accordance with local and national regulations.

**Waste water**

Do not discharge into the drains/surface waters/groundwater.

**Exhaust air**

Keep container closed. Avoid release to the environment.

**Soil**

Floors should be impervious, resistant to liquids and easy to clean.

**Disposal recommendations for the product**

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

Completely emptied packagings can be given for recycling.

Germany: KBS system for sheet covering

**Contributing exposure scenario controlling worker exposure (professional)****Use**

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

PROC10 Roller application or brushing



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PROC13 Treatment of articles by dipping and pouring  
 PROCh01 Other processing without aerosol formation  
**Physical form** liquid

**Hazardous ingredients****naphtha hydrodesulfurized heavy**

CAS No. 64742-48-9  
 EINECS no. 265-150-3  
 Registration no. 01-2119463258-33  
 Concentration >= 20 < 25 %

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

CAS No. 90622-58-5  
 Concentration >= 10 < 25 %

**naphtha hydrodesulfurized heavy**

CAS No. 64742-48-9  
 EINECS no. 265-150-3  
 Registration no. 01-2119486659-16  
 Concentration >= 1 < 10 %

**decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidiny) ester, reaction products with tert-bu hydroperoxide and octane**

EINECS no. 406-750-9  
 Registration no. 01-2119480191-44  
 Concentration >= 1 < 10 %

**branched and linear C7-C9 alkyl 3-[3-(2H-. benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-propionates**

CAS No. 127519-17-9  
 EINECS no. 407-000-6  
 Concentration >= 1 < 3 %

**2-ethylhexanoic acid zirconium salt**

CAS No. 22464-99-9  
 EINECS no. 245-018-1  
 Registration no. 01-2119979088-21  
 Concentration >= 0,1 < 1 %

**Maximum amount used per time or activity**

Duration of exposure <= 8 h/d  
 Frequency of exposure <= 220 d/a

**Other relevant operational conditions**

Use: Room temperature  
 Drying and through-curing takes place at ambient temperature or at higher temperatures.  
 Volatile organic substances will volatilise into the atmospheric air inside.  
 Read attached instructions before use.

**Product substance and product safety related measures**

Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. 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

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### **Hand protection**

Protective gloves complying with EN 374.

Glove material

Multilayer gloves made from

Appropriate Material Fluorinated rubber / butyl-rubber

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 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.

### **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.

## **Information on estimated exposure and downstream-user guidance**

### **Guidance for Downstream Users**

The downstream user can evaluate whether he operates within the conditions set in the exposure scenario on the basis of the information supplied. This evaluation can be conducted by an expert or using the risk assessment tools recommended by ECHA.