

Trade name: glimtrex Hardwax-Oil silver 102010

Version: 5 / DE

Revision: 26.09.2018

Replaces Version: 4 / DE

Print date: 26.03.20

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

1.1. Product identifier

glimtrex Hardwax-Oil silver 102010

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

	REACHSET 1000
SU3	Industrial uses: Uses of substances as such or in preparations at industrial sites
ERC4	Industrial use of processing aids in processes and products, not becoming part of articles
ERC5	Industrial use resulting in inclusion into or onto a matrix
PROC7	Industrial spraying

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 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
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+P313 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 *** solvent naphtha (petroleum), light arom. (< 0,1 % benzene); 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	>= 25	<	50	%	

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	>= 1	<	10	%	

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

Asp. Tox. 1	H304
Aquatic Chronic 4	H413
	EUH066

naphtha hydrodesulfurized heavy

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

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

solvent naphtha (petroleum), light arom. (< 0,1 % benzene)

CAS No.	64742-95-6			
EINECS no.	918-668-5			
Registration no.	01-2119455851-35			
Concentration	>= 1	<	3	%

Classification (Regulation (EC) No. 1272/2008)			
Flam. Liq. 3		H226	
Asp. Tox. 1		H304	
Aquatic Chronic 2		H411	
STOT SE 3		H335	Respiratory tract
STOT SE 3		H336	Nervous system
		EUH066	

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	

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.

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

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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, CO₂, 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). 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.

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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.

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

solvent naphtha (petroleum), light arom. (< 0,1 % benzene)

List	TRGS 900
Value	50 mg/m ³
Status:	01/2018

naphtha hydrodesulfurized heavy

List	TRGS 900
Value	300 mg/m ³
Status:	01/2018

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alkanes, C11-14-iso-

List TRGS 900
 Value 300 mg/m³
 Status: 01/2018

naphtha hydrodesulfurized heavy

List TRGS 900
 Value 300 mg/m³
 Status: 01/2018

Other information

-

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

solvent naphtha (petroleum), light arom. (< 0,1 % benzene)

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 11 mg/kg

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 25 mg/kg

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 11 mg/kg

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 150 mg/kg

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 32 mg/kg

naphtha hydrodesulfurized heavy

Type of value Derived No Effect Level (DNEL)
 Reference group Workers (professional)
 Duration of exposure Long-term

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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 ³

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 ³

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

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 ³

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

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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 ³

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

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.

9. Physical and chemical properties ***

9.1. Information on basic physical and chemical properties

Form liquid

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Colour	silver			
Odour	characteristic			
Odour threshold				
Remarks	not determined			
pH value				
Remarks	not determined			
Melting point				
Remarks	not determined			
Freezing point				
Remarks	not determined			
Initial boiling point and boiling range				
Value	140	to	217	°C
Flash point				
Value	36	to	55	°C
Evaporation rate				
Remarks	not determined			
Flammability (solid, gas)	not determined			
Upper/lower flammability or explosive limits				
Remarks	not determined			
Vapour pressure				
Remarks	not determined			
Vapour density				
Remarks	not determined			
Density				
Value	appr. 0,99			kg/l
Temperature	20	°C		
Solubility in water				
Remarks	not determined			
Solubility(ies)				
Remarks	not determined			
Partition coefficient: n-octanol/water				
Remarks	not determined			
Ignition temperature				
Remarks	not determined			
Decomposition temperature				
Remarks	not determined			
Viscosity				
Remarks	not determined			
Efflux time ***				
Value	35	to	49	s
Temperature	20	°C		
Method	DIN 53211 4 mm			

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Explosive properties

evaluation not determined

Oxidising properties

Remarks not determined

9.2. Other information**Non-volatile content**

Value	57,4	%
Method	calculated value	

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 not determined

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 productsCarbon monoxide and carbon dioxide, nitrous oxides (NO_x), dense black smoke, No decomposition if used as prescribed.**11. Toxicological information****11.1. Information on toxicological effects****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.

Acute inhalative toxicity (Components)

aluminium powder, stabilized

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

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

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

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.

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)

Method	Calculation method (Regulation (EC) No. 1272/2008)
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**

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

Fish toxicity (Components)**solvent naphtha (petroleum), light arom. (< 0,1 % benzene)**

Species	Oncorhynchus mykiss (rainbow trout)		
LC50	9,2		mg/l
Duration of exposure	96	h	

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)		
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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)**solvent naphtha (petroleum), light arom. (< 0,1 % benzene)**

Species	Daphnia magna (Water flea)		
EC50	3,2		mg/l
Duration of exposure	48	h	
Method	OECD 202, part 1, static		

solvent naphtha (petroleum), light arom. (< 0,1 % benzene)

Species	Daphnia magna (Water flea)		
NOEC	2,14		mg/l
Duration of exposure	21	d	
Method	Petrotox computer model (v.3.04)		

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	

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)**solvent naphtha (petroleum), light arom. (< 0,1 % benzene)**

Species	Pseudokirchneriella subcapitata (green algae)		
EC50	2,6	to	2,9 mg/l
Duration of exposure	72	h	
Method	Petrotox computer model (v.3.04)		

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)**solvent naphtha (petroleum), light arom. (< 0,1 % benzene)**

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evaluation Readily biodegradable.

alkanes, C11-14-iso-

evaluation Not readily biodegradable.

naphtha hydrodesulfurized heavy

Value 77,05 %

Duration of test 28 d

evaluation 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 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.

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

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

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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
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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
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14.4. Packing group

Packing group	III
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15. Regulatory information *****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany) *****

Water Hazard Class (Germany)	WGK 2
Remarks	Derivation of WGK according to Annex 1 No. 5.2 AwSV

VOC ***

VOC (EU)	42,6	%	422	g/l
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Other information

All components are contained in the TSCA inventory or exempted.

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.
H335	May cause respiratory irritation.
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 silver 102010

Version: 5 / DE

Revision: 26.09.2018

Replaces Version: 4 / DE

Print date: 26.03.20

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

ES037 - Industrial applications: industrial spraying (inside)

Use of the substance/preparation

Surface treatment of wood and other materials

Use

SU3	Industrial uses: Uses of substances as such or in preparations at industrial sites
ERC4	Industrial use of processing aids in processes and products, not becoming part of articles
ERC5	Industrial use resulting in inclusion into or onto a matrix
PROC7	Industrial spraying

Contributing exposure scenario controlling environmental exposure

Use

ERC4	Industrial use of processing aids in processes and products, not becoming part of articles
ERC5	Industrial 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	>= 25 < 50 %

alkanes, C11-14-iso-

CAS No.	90622-58-5
Concentration	>= 1 < 10 %

naphtha hydrodesulfurized heavy

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

solvent naphtha (petroleum), light arom. (< 0,1 % benzene)

CAS No.	64742-95-6
EINECS no.	918-668-5
Registration no.	01-2119455851-35
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

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Emission days per site: <= 300

Other relevant operational conditions

Use: Room temperature

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

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. Spray cabin waters are to be conducted after mechanical pretreatment into a wastewater treatment facility.

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
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Disposal recommendations for packaging

EWC waste code	150110 - packaging containing residues of or contaminated by dangerous substances
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Completely emptied packagings can be given for recycling.

Germany: KBS system for sheet covering

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

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

PROC7 Industrial spraying

Physical form liquid**Hazardous ingredients****naphtha hydrodesulfurized heavy**

CAS No. 64742-48-9

EINECS no. 265-150-3

Registration no. 01-2119463258-33

Concentration >= 25 < 50 %

alkanes, C11-14-iso-

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CAS No.	22464-99-9				
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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.

Read attached instructions before use.

Product substance and product safety related measures

Mainly used in closed systems. 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

Hand protection

Protective gloves complying with EN 374.

Glove material

Appropriate Material Nitrile rubber

Material thickness >= 0,4 mm

Breakthrough time >= 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.

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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.