

Safety Data Sheet

Outdoor Wood Oil

Replaces date: 18/10/2019

Revision date: 08/03/2021
Version: 1.2.0

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

1.1. Product identifier

Trade name: Outdoor Wood Oil

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

Recommended uses: Surface treatment.

1.3. Details of the supplier of the safety data sheet

Supplier

Company: Guardian Protection Products A/S
Address: Knudevejen 22
Zip code: 6600
City: Vejen
Country: DENMARK
E-mail: guardian@guardian.dk
Phone: +45 75471767
Fax: +45 75471787

1.4. Emergency Telephone Number

Members of the public: 111 (NHS 111 (Scotland: NHS 24))

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: Aquatic Chronic 3;H412

Most serious harmful effects: Harmful to aquatic life with long lasting effects. May cause slight irritation to the skin and eyes. Persons with a known allergy to 3-iodo-2-propynyl butylcarbamate may exhibit an allergic response to the product.

2.2. Label elements

H-phrases

H412 Harmful to aquatic life with long lasting effects.

P-phrases

P102 Keep out of reach of children.

P501 Dispose of contents/container in accordance with local regulation.

Supplemental information

EUH208 Contains 3-iodo-2-propynyl butylcarbamate. May produce an allergic reaction.

VOC: This product contains a maximum of 378 g VOC/L. The limit value is 700 g VOC/L (cat. A/f)

2.3. Other hazards

The product does not contain any PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Substance	CAS No	EC No	REACH Reg. No.	Concentration	Notes	CLP-classification
Distillates (petroleum), hydrotreated light	64742-47-8	265-149-8	01-2119456620-43	25 - 50%	4	Asp. Tox. 1;H304
3-iodo-2-propynyl butylcarbamate	55406-53-6	259-627-5		< 0.45%	*	Acute Tox. 4;H302 Skin Sens. 1;H317 Acute Tox. 3;H331 STOT RE 1;H372 Aquatic Acute 1;H400 Aquatic Chronic 1;H410
2-ethylhexanoic acid, zirconium salt	22464-99-9	245-018-1	01-2119979088-21	< 0.2%		Repr. 2;H361d

Please see section 16 for the full text of H-phrases.

* = M-acute = 10

4 = H304 is not applicable due to the high viscosity of the product.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:	Seek fresh air.
Ingestion:	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.
Skin contact:	Remove contaminated clothing. Wash skin with soap and water.
Eye contact:	Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
General:	When obtaining medical advice, show the safety data sheet or label.

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

May cause slight irritation to the skin and eyes. Ingestion may cause discomfort. The product contains small amounts of 3-iodo-2-propynyl butylcarbamate. Persons with a known allergy may exhibit an allergic response to the product.

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

No special immediate treatment required. Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Extinguish with powder, foam, carbon dioxide or water mist.

Unsuitable extinguishing media: Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

The product decomposes when combusted and the following toxic gases can be formed: Carbon monoxide and carbon dioxide.

5.3. Advice for firefighters

If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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For non-emergency personnel: Stop leak if this can be done without risk. Wear gloves.

For emergency responders: In addition to the above: Normal protective clothing equivalent to EN 469 is recommended.

6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. Wipe up minor spills with a cloth. Rinse with water.

6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use the product under well-ventilated conditions. Running water and eye wash equipment should be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Keep in tightly closed original packaging. Do not store with the following: Oxidisers/ Strong acids/ Strong alkalis.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit

Substance name	Time period	ppm	mg/m ³	fiber/cm ³	Comments	Remarks
Distillates (petroleum), hydrotreated light	-		1200		Normal and branched chain alkanes >=C7	

Measuring methods: Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

Legal basis: EH40/2005 Workplace exposure limits. Last amended January 2020.

PNEC

2-ethylhexanoic acid, zirconium salt, cas-no 22464-99-9				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (freshwater)	0,36 mg/l			
PNEC aqua (marine water)	0,036 mg/l			
PNEC sediment (freshwater)	6,37 mg/kg			
PNEC sediment (marine water)	0,637 mg/kg			

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PNEC soil	1,06 mg/kg			
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DNEL - workers

2-ethylhexanoic acid, zirconium salt, cas-no 22464-99-9

Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (long-term exposure - systemic effects)	32,97 mg/m ³				
Dermal DNEL (long-term exposure - systemic effects)	6,49 mg/kg				

DNEL - general population

2-ethylhexanoic acid, zirconium salt, cas-no 22464-99-9

Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Oral DNEL (long-term exposure - systemic effects)	4,51 mg/kg bw/day				
Inhalation DNEL (long-term exposure - systemic effects)	8,13 mg/m ³				
Dermal DNEL (long-term exposure - systemic effects)	3,25 mg/kg bw/day				

8.2. Exposure controls

Appropriate engineering controls:

Wear the personal protective equipment specified below.

Personal protective equipment, eyeface protection:

Wear safety goggles if there is a risk of eye splash. Eye protection must conform to EN 166.

Personal protective equipment, skin protection:

Wear gloves. Type of material and thickness: Nitrile rubber. 0,38 mm. Penetration time: Gloves must conform to EN 374.

Personal protective equipment, respiratory protection:

Not required. In case of spraying/formation of spraying mists: In case of insufficient ventilation, wear respiratory protective equipment. Filter type: A. Respiratory protection must conform to one of the following standards: EN 136/140/145.

Environmental exposure controls:

Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Liquid
Colour	Multiple colours
Odour	Solvent
Solubility	Not miscible with the following: Water.
Explosive properties	No data
Oxidising properties	No data

Parameter	Value/unit	Remarks
pH (solution for use)	No data	
pH (concentrate)	No data	

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Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	No data	
Flash Point	> 62 °C	
Evaporation rate	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	0.6 - 8	
Vapour pressure	No data	
Vapour density	No data	
Relative density	0.9 g/cm ³	
Partition coefficient n-octanol/water	No data	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
Viscosity	24 - 28	sec. 4 mm cup
Odour threshold	No data	

9.2. Other information

Parameter	Value/unit	Remarks
VOC (Volatile organic compounds):	42 % / 378 g/l	

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with the following: Oxidisers/ Strong acids/ Strong alkalis.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

Risk of spontaneous combustion. Spills and used cloths are to be collected and deposited in a fireproof waste container, hung to dry outdoors or burned under supervision.

10.4. Conditions to avoid

Avoid exposure to daylight or other light sources.

10.5. Incompatible materials

Oxidisers/ Strong acids/ Strong alkalis.

10.6. Hazardous decomposition products

The product decomposes when combusted or heated to high temperatures and the following toxic gases can be formed: Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

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

Acute toxicity - oral

Distillates (petroleum), hydrotreated light, cas-no 64742-47-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000mg/kg			

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3-iodo-2-propynyl butylcarbamate, cas-no 55406-53-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		1795mg/kg			

Ingestion may cause discomfort. The product does not have to be classified.

Acute toxicity - dermal

Distillates (petroleum), hydrotreated light, cas-no 64742-47-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 5000mg/kg			

3-iodo-2-propynyl butylcarbamate, cas-no 55406-53-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 2000mg/kg			

The product does not have to be classified.

Acute toxicity - inhalation

Distillates (petroleum), hydrotreated light, cas-no 64742-47-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50	4h	> 5000mg/l			

3-iodo-2-propynyl butylcarbamate, cas-no 55406-53-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50	4h	0.67mg/l			

The product does not have to be classified.

Skin corrosion/irritation:

Degreases and dries the skin. Repeated exposure may cause skin dryness or cracking. The product does not have to be classified. Test data are not available.

Serious eye damage/eye irritation:

May cause eye irritation. The product does not have to be classified. Test data are not available.

Respiratory sensitisation or skin sensitisation:

The product contains small amounts of 3-iodo-2-propynyl butylcarbamate. Persons with a known allergy may exhibit an allergic response to the product. The product does not have to be classified. Test data are not available.

Germ cell mutagenicity:

The product does not have to be classified. Test data are not available.

Carcinogenic properties:

The product does not have to be classified. Test data are not available.

Reproductive toxicity:

The product does not have to be classified. Test data are not available. The product contains at least one substance which is a suspected reproductive hazard.

Single STOT exposure:

Inhalation of vapours/spray mist may cause irritation to the upper airways. The product does not have to be classified. Test data are not available.

Repeated STOT exposure:

The product does not have to be classified. Test data are not available. Prolonged or repeated inhalation of vapours may cause damage to the central nervous system.

Aspiration hazard:

The product does not have to be classified. Test data are not available.

Other toxicological effects:

None known.

SECTION 12: Ecological information

12.1. Toxicity

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Distillates (petroleum), hydrotreated light, cas-no 64742-47-8

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Name of species not specified		96hLL0	1000mg/l			
Crustacea	Name of species not specified		48hEL0	1000mg/l			
Algae	Pseudokirchneriella subcapitata		72hEL0	1000mg/l			

3-iodo-2-propynyl butylcarbamate, cas-no 55406-53-6

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Oncorhynchus mykiss		96hLC50	0.067mg/l			
Crustacea	Daphnia magna		48hEC50	0.16mg/l			
Algae	Desmodesmus subspicatus		72hEC50	0.022mg/l			

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

Distillates (petroleum), hydrotreated light, cas-no 64742-47-8

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28 d		> 60%			

Test data are not available for all substances

12.3. Bioaccumulative potential

3-iodo-2-propynyl butylcarbamate, cas-no 55406-53-6

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
				281			

Test data are not available for all substances

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Avoid discharge to drain or surface water.

Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

Absorbent/cloth contaminated with the product: EWC code: 15 02 02 absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances.

Empty, cleansed packaging should be disposed of for recycling.

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Category of waste: Waste group:
EWC code: Depends on line of business and use, for instance 14 06 03* other solvents and solvent mixtures

SECTION 14: Transport information

14.1. UN number or ID number: Not applicable.	14.4. Packing group: Not applicable.
14.2. UN proper shipping name: Not applicable.	14.5. Environmental hazards: Not applicable.
14.3. Transport hazard class(es): Not applicable.	

14.6. Special precautions for user

None.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

Special Provisions: None.

15.2. Chemical Safety Assessment

REACH Reg. No.	Substance name
01-2119456620-43	Distillates (petroleum), hydrotreated light
01-2119979088-21	2-ethylhexanoic acid, zirconium salt

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
1.2.0	08/03/2021	Bureau Veritas HSE / THS	-

Abbreviations:
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: Very Persistent and Very Bioaccumulative
 STOT: Specific Target Organ Toxicity
 DNEL: Derived No Effect Level
 PNEC: Predicted No Effect Concentration

Other Information: This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

Training advice: A thorough knowledge of this safety data sheet should be a prerequisite condition.

Classification method: Calculation based on the hazards of the known components.

List of relevant H-statements

H302 Harmful if swallowed.
 H304 May be fatal if swallowed and enters airways.

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H317	May cause an allergic skin reaction.
H331	Toxic if inhaled.
H361d	Suspected of damaging the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

SDS is prepared by

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