

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

Exterior Oil

Product no.

-

REACH registration number

Not applicable

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

Relevant identified uses of the substance or mixture

surface treatment of wood outdoors

Uses advised against

-

The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

WOCA Denmark A/S

Tværvvej 6

6640 Lunderskov

Denmark

Tel: +45 99585600

Fax: +45 99585636

Contact person

LFH

E-mail

info@ttwoodcare.com

SDS date

2016-10-30

SDS Version

4.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

SECTION 2: Hazards identification

▼ 2.1. Classification of the substance or mixture

Aquatic Chronic 3; H412

See full text of H-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)

-

Signal word

-

▼ Hazard statement(s)

Harmful to aquatic life with long lasting effects. (H412)

▼ Safety statement(s)

General

If medical advice is needed, have product container or label at hand. (P101).

Keep out of reach of children. (P102).

Prevention

Avoid release to the environment. (P273).

Response

-

Storage

-

Disposal

Dispose of contents/container to an approved waste disposal plant. (P501).

Identity of the substances primarily responsible for the major health hazards

-

▼ 2.3. Other hazards

Contains drying oils. Risk of self-ignition. Spills, soiled rags, etc. must be contained, stored in fire-proof waste containers and then destroyed.

▼ Additional labelling

Contains propiconazole, 3-iodo-2-propynyl butylcarbamate may produce an allergic reaction. (EUH208).

Additional warnings

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▼ VOC

VOC-MAX: 50 g/l, MAXIMUM VOC CONTENT (A/f (WB)): 130 g/l.

SECTION 3: Composition/information on ingredients**▼ 3.1/3.2. Substances/Mixtures**

NAME: propiconazole
 IDENTIFICATION NOS.: CAS-no: 60207-90-1 EC-no: 262-104-4 Index-no: 613-205-00-0
 CONTENT: <1%
 CLP CLASSIFICATION: Acute tox. 4, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1
 H302, H317, H400, H410

NAME: 3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate
 IDENTIFICATION NOS.: CAS-no: 55406-53-6 EC-no: 259-627-5 Index-no: 616-212-00-7
 CONTENT: <1%
 CLP CLASSIFICATION: Acute Tox. 3, Acute Tox. 4, STOT RE 1, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1,
 Aquatic Chronic 1
 H302, H317, H318, H331, H372, H400, H410 (M-acute = 10) (M-chronic = 1)

NAME: Pentanoic acid, 5-(dimethylamino)-2-methyl-5-oxo, methyl ester
 IDENTIFICATION NOS.: REACH-no: 01-2119497421-
 36
 CONTENT: <1%
 CLP CLASSIFICATION: Eye Irrit. 2
 H319

NAME: Alcohols, C16-18, and, C18-unsatd, ethoxylated
 IDENTIFICATION NOS.: CAS-no: 68920-66-1 EC-no: 500-236-9
 CONTENT: <0.05%
 CLP CLASSIFICATION: Skin Irrit. 2
 H315

(*) See full text of H-phrases in chapter 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

ATEmix(inhale, vapour) > 20
 ATEmix(dermal) > 2000
 ATEmix(oral) > 2000
 $N_{\text{chronic}}(\text{CAT } 3) \text{ Sum} = \text{Sum}(\text{Ci}/\text{M}(\text{chronic})^i * 25 * 0.1 * 10^{\wedge} \text{CAT}_i) = 1,55648 - 2,33472$
 $N_{\text{acute}}(\text{CAT } 1) \text{ Sum} = \text{Sum}(\text{Ci}/\text{M}(\text{acute})^i * 25) = 0,060608 - 0,090912$

SECTION 4: First aid measures**4.1. Description of first aid measures****▼ General information**

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact The National Poisons Information Service (dial 111, 24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

▼ Inhalation

Bring the person into fresh air and stay with him.

▼ Skin contact

Immediately remove contaminated clothing and shoes. Ensure that skin, which has been exposed to the material, is washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or

thinners.

▼ **Eye contact**

Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

▼ **Ingestion**

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

Burns

Not applicable

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

This product contains substances that may trigger an allergic reaction to predisposed persons.

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

No special

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

▼ **5.1. Extinguishing media**

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

▼ **5.2. Special hazards arising from the substance or mixture**

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

▼ **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No specific requirements.

▼ **6.2. Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities. It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

▼ **6.3. Methods and material for containment and cleaning up**

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

▼ **6.4. Reference to other sections**

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

▼ **7.1. Precautions for safe handling**

Because of the danger of self-ignition, any waste from the product (spills, soiled rags etc.) are to be kept in a fire-proof place in air-tight containers, alternatively the waste can be burned. Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment. See section on 'Exposure controls/personal protection' for information on personal protection.

▼ **7.2. Conditions for safe storage, including any incompatibilities**

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

▼ **Storage temperature**

Store frost-free.

▼ **7.3. Specific end use(s)**

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

▼ **OEL**

No substances are listed in The Control of Substances Hazardous to Health Regulations with an occupational exposure limit.

▼ **DNEL / PNEC**

No data available

8.2. Exposure controls

▼ Control is unnecessary if the product is used as intended.

General recommendations

▼ Observe general occupational hygiene standards.

Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

▼ **Exposure limits**

Occupational exposure limits have not been defined for the substances in this product.

▼ **Appropriate technical measures**

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

▼ **Hygiene measures**

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

▼ **Measures to avoid environmental exposure**

No specific requirements.

Individual protection measures, such as personal protective equipment



▼ **Generally**

Use only CE marked protective equipment.

Respiratory Equipment

No specific requirements.

▼ **Skin protection**

Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.

▼ **Hand protection**

Recommended: Nitrile rubber. See the manufacturer's instructions.

Eye protection

No specific requirements.

SECTION 9: Physical and chemical properties

▼ **9.1. Information on basic physical and chemical properties**

Form

Liquid

Colour

Various colours

Odour

Faint

pH

No data available.

Viscosity (40°C)

No data available. mm²/sek

Density (g/cm³)

1-1,1

▼ **Phase changes**

Melting point (°C)

No data available.

Boiling point (°C)	No data available.
Vapour pressure	No data available.
▼ Data on fire and explosion hazards	
Flashpoint (°C)	No data available.
Ignition (°C)	No data available.
Self-ignition (°C)	No data available.
Explosion limits (Vol %)	No data available.
▼ Solubility	
Solubility in water	Soluble
n-octanol/water coefficient	No data available.
▼ 9.2. Other information	
Solubility in fat (g/L)	No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

▼ 10.2. Chemical stability

The product is stable under the conditions, noted in the section "Handling and storage".

10.3. Possibility of hazardous reactions

No special

▼ 10.4. Conditions to avoid

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

▼ 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

▼ Acute toxicity

Substance	Species	Test	Route of exposure	Result
3-iodo-2-propynyl butylcarbama...	Rat	LD50	Oral	300 - 500 mg/kg
3-iodo-2-propynyl butylcarbama...	Rat	LD50	Dermal	> 2000 mg/kg
3-iodo-2-propynyl butylcarbama...	Rat	LC50	Inhalation	6,89 mg/l (4 timer)
3-iodo-2-propynyl butylcarbama...	Rat	LD50	Oral	517 mg/kg
3-iodo-2-propynyl butylcarbama...	Rat	LD50	Dermal	>4000 mg/kg
propiconazole	Rat	LC50	Inhalation	>5800 g/m ³
propiconazole				
propiconazole				

▼ Skin corrosion/irritation

Data on substance: 3-iodo-2-propynyl butylcarbamate 3-iodoprop-2-yn-1-yl butylcarbamate

Serious eye damage/irritation

No data available.

▼ Respiratory or skin sensitisation

This product contains substances that may trigger an allergic reaction to predisposed persons.

Germ cell mutagenicity

No data available.

▼ Carcinogenicity

Data on substance: propiconazole
Result: No adverse effect observed.

▼ Reproductive toxicity

Data on substance: propiconazole
Result: No adverse effect observed.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

▼ **Long term effects**

No special

SECTION 12: Ecological information▼ **12.1. Toxicity**

Substance	Species	Test	Duration	Result
3-iodo-2-propynyl butylcarbama...	Fish	LC50	96 h	0,067 mg/l
3-iodo-2-propynyl butylcarbama...	Daphnia	EC50	48 h	0,16 mg/l
3-iodo-2-propynyl butylcarbama...	Algae	EC50	72 h	0,022 mg/l
3-iodo-2-propynyl butylcarbama...	Fish	LC50	96	6,8 mg/l
propiconazole	Daphnia	EC50	48	10,2 mg/L
propiconazole	Algae	EC50	72	0,76 mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
No data available.			

▼ **12.3. Bioaccumulative potential**

Substance	Potential bioaccumulation	LogPow	BCF
3-iodo-2-propynyl butylcarbama...	No	4	4,5
propiconazole	No	3,72	146

▼ **12.4. Mobility in soil**

3-iodo-2-propynyl butylcarbama...: Log Koc= 3,246 (Moderate mobility potential.).
 propiconazole: Log Koc= 3,024268 (Moderate mobility potential.).

12.5. Results of PBT and vPvB assessment

No data available

▼ **12.6. Other adverse effects**

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms. This product contains substances, which due to poor biodegradability, may cause adverse long-term effects to the aquatic environment,

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Product is covered by the regulations on hazardous waste.

Waste

EWC code

-

Specific labelling

-

▼ **Contaminated packing**

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information**14.1 – 14.4**

Not dangerous goods according to ADR, IATA and IMDG.

▼ **ADR/RID**

14.1. UN number	-
14.2. UN proper shipping name	-
14.3. Transport hazard class(es)	-
14.4. Packing group	-
Notes	-
Tunnel restriction code	-

▼ **IMDG**

UN-no.	-
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According to EC-Regulation 2015/830

Proper Shipping Name -
 Class -
 PG* -
 EmS -
 MP** -
 Hazardous constituent -

▼ IATA/ICAO

UN-no. -
 Proper Shipping Name -
 Class -
 PG* -

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

No data available

(*) Packing group

(**) Marine pollutant

SECTION 15: Regulatory information

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

Restrictions for application

-

Demands for specific education

-

Additional information

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Sources

Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC.

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).
 EC regulation 1907/2006 (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

▼ **Full text of H-phrases as mentioned in section 3**

H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H319 - Causes serious eye irritation.

H331 - Toxic if inhaled.

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.

The full text of identified uses as mentioned in section 1

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Other symbols mentioned in section 2



-
Other

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:

The classification of the mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The safety data sheet is validated by

LFH

**Date of last essential change
(First cipher in SDS version)**

2015-02-13

**Date of last minor change
(Last cipher in SDS version)**

2015-02-13