

---

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

### 1.1. Product identifier

**Name of product** Teak Oil Golden Classic  
Art-Nr 02.0737.00

**1.2. Relevant identified uses of the substance or mixture and uses advised against**  
**Recommended intended purpose(s)**  
care product

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

**Manufacturer/distributor** Yachticon A. Nagel GmbH  
Bürgermeister-Bombeck-Str. 1, D-22851 Norderstedt  
Phone +49 40 511 3780, Fax +49 40 51 74 37  
E-Mail yachticon@yachticon.de  
Internet www.yachticon.de

### Advice

Phone +49 40 511 37 80  
Fax +49 40 51 74 37  
E-mail (competent person):  
yachticon@yachticon.de

### 1.4. Emergency telephone number

**Emergency advice** Giftinformationszentrale Berlin  
Phone +49 (0)30 192 40

---

## ! SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**! Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]**

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Flam. Liq. 3	H226	
Skin Sens. 1	H317	
Aquatic Chronic 3	H412	

### ! Hazard statements for physical hazards

H226 Flammable liquid and vapour.

### ! Hazard statements for health hazards

H317 May cause an allergic skin reaction.

### ! Hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

### ! Additional hints

This mixture is classified as hazardous according to Regulation (EC) No 1272/2008 [GHS].

### 2.2. Label elements

**Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]**



GHS02



GHS07

**! Signal word**  
Warning

**! Hazard statements for physical hazards**  
H226 Flammable liquid and vapour.

**! Hazard statements for health hazards**  
H317 May cause an allergic skin reaction.

**! Hazard statements for environmental hazards**  
H412 Harmful to aquatic life with long lasting effects.

**Precautionary Statements**

**General**

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.

**! Prevention**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting/.../equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P261 Avoid inhalation of vapors / spray.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**! Response**

P302 + P352 IF ON SKIN: Gently wash with plenty of soap and water.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

**! Storage**

P403 + P235 Store in a well-ventilated place. Keep cool.

**! Disposal**

P501 Dispose of contents/container to an approved waste handling.

**! Hazardous ingredients for labeling**

3-iodo-2-propynyl butyl carbamate, Orange, sweet, extract, Reaction mass of bis (1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

**2.3. Other hazards**

**! Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## ! SECTION 3: Composition/ information on ingredients

### 3.1. Substances

not applicable

### 3.2. Mixtures

#### ! Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS]
	919-164-8	Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, aromatic compounds (2-25%)	> 1 < 5	Asp. Tox. 1, H304 / Aquatic Chronic 3, H412 / , EUH066
8028-48-6	232-433-8	Orange, sweet, extract	> 1 < 5	Flam. Liq. 3, H226 / Skin Irrit. 2, H315 / Skin Sens. 1, H317 / Aquatic Chronic 2, H411 / Asp. Tox. 1, H304
55406-53-6	259-627-5	3-iodo-2-propynyl butyl carbamate	< 0,1	Acute Tox. 3, H331 / STOT RE 1, H372 / Eye Dam. 1, H318 / Aquatic Acute 1, H400 / Aquatic Chronic 1, H410 / Acute Tox. 4, H302 / Skin Sens. 1, H317
64741-65-7	918-167-1	Hydrocarbons, C11-C12, iso-alkanes, <2% aromatics	50 < 70	Asp. Tox. 1, H304 / Flam. Liq. 3, H226 / Aquatic Chronic 4, H413 / , EUH066
64742-48-9	919-857-5	Hydrocarbons, C9-C11, n-alkanes, isoalkanes	5 < 10	Flam. Liq. 3, H226 / Asp. Tox. 1, H304 / STOT SE 3, H336 / , EUH066
		Reaction mass of bis (1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	< 0,5	Skin Sens. 1, H317 / Aquatic Acute 1, H400 / Aquatic Chronic 1, H410

#### REACH

CAS No	Name	REACH registration number
8028-48-6	Orange, sweet, extract	01-2119493353-35-XXXX
64741-65-7	Hydrocarbons, C11-C12, iso-alkanes, <2% aromatics	01-2119472146-39-0001
64742-48-9	Hydrocarbons, C9-C11, n-alkanes, isoalkanes	01-2119463258-33-XXXX
	Reaction mass of bis (1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1, 2,2,6,6-pentamethyl-4-piperidyl sebacate	01-2119491304-40-0000

## ! SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove moisted clothing immediately.

In the event of persistent symptoms receive medical treatment.

#### In case of inhalation

Ensure of fresh air.

Refer for medical treatment.

#### ! In case of skin contact

In case of contact with skin wash off with soap and water.

#### In case of eye contact

In case of contact with eyes rinsing with plenty of lukewarm water carefully and seek for medical treatment.

Remove contact lenses.

#### In case of ingestion

Do not induce vomiting.

Call for a doctor immediately.

---

Rinse out mouth and give plenty of water to drink.  
Do NOT induce vomiting - risk of aspiration!

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

##### **Physician's information / possible symptoms**

Headache  
Nausea  
Dizziness

##### **! Physician's information / possible dangers**

After swallowing and subsequent vomiting, aspiration into the lungs can occur, which can lead to chemical pneumonia or suffocation.

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

##### **Treatment (Advice to doctor)**

Treat symptoms.

---

### **! SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Foam  
Dry powder  
Carbon dioxide  
Water spray jet

##### **Unsuitable extinguishing media**

Full water jet

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

Fire gas of organic material has to be classed invariably as respiratory poison.

In the event of fire the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

Vapors can cover long distances along the ground and ignite.

Can form explosive vapor-air mixtures.

The product floats on water and can be reignited.

#### **5.3. Advice for firefighters**

##### **Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply ( isolated ).

Wear full protective clothing.

##### **! Additional information**

Cool endangered containers with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

High risk of slipping due to leakage / spillage of product.

Collect contaminated firefighting water separately, must not be discharged into the drains.

Remove containers from the danger area, if possible without risk.

---

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Ensure adequate ventilation.  
Avoid skin and eye contact.  
Use personal protective clothing.  
Keep away sources of ignition.

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.  
Prevent spread over a wide area (e.g. by containment or oil barriers).  
Suppress gases/vapours/mists with water spray jet  
If product enters water course or sewage system, inform the responsible authority.

### 6.3. Methods and material for containment and cleaning up

Pump off larger quantity.  
Send in suitable containers for recovery or disposal.  
Take up residues with absorbent material (e.g. sand, general-purpose binder).  
After taking up the material dispose according to regulation.  
Ensure adequate ventilation.

#### Additional Information

Remove all sources of ignition. Avoid open flames.

### 6.4. Reference to other sections

Safe handling: see section 7  
Disposal: see section 13  
Personal protection equipment: see section 8  
Emergency telephone number: see section 1

---

## ! SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### ! Advice on safe handling

Avoid formation of aerosols.  
Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.  
Avoid inhalation of vapors/aerosols.  
Avoid impact, friction and electrostatically charging; risk of ignition!  
Avoid contact with skin and eyes.  
Do not handle at temperatures above the flashpoint.

#### General protective measures

Avoid contact with eyes and skin  
Do not inhale gases/vapours/aerosols.

#### Hygiene measures

Clean skin thoroughly after working.  
At work do not eat, drink and smoke.  
Remove soiled or soaked clothing immediately.  
Work in rooms with good ventilation.  
Keep away from food and drink.  
Wash hands before breaks and after work.  
Use barrier skin cream.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking  
Ignitable mixtures can be formed in the empty container.  
Formation of explosive gas mixtures in air.  
Avoid impact, friction and electrostatically charging.  
Avoid open flames, sparks or other ignition sources and sunlight.

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

**! Requirements for storage rooms and vessels**

Keep in closed original container.  
Provide solvent-resistant and impermeable floor.

**! Advice on storage compatibility**

Do not store with acids or alkalies.  
Do not store together with oxidizing agents.  
Keep away from combustible, flammable materials or sources of ignition.

**Further information on storage conditions**

Keep container tightly closed and store at cool and aired place.  
Exclude sources of ignition - No smoking.  
Protect from heat and direct solar radiation.  
Recommended storage temperature: 15-30 ° C.

**Storage group** 3

**7.3. Specific end use(s)**

No information available.

**! SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**DNEL-/PNEC-values**

**DNEL worker**

CAS No	Substance name	Value	Code	Remark
8028-48-6	Orange, sweet, extract	31,1 mg/m <sup>3</sup>	DNEL acute inhalative (systemic)	
		8,89 mg/kg bw/day	DNEL long-term dermal (systemic)	
		185,8 µg/ cm <sup>3</sup>	DNEL acute dermal, short-term (local)	

**DNEL Consumer**

CAS No	Substance name	Value	Code	Remark
8028-48-6	Orange, sweet, extract	7,78 mg/m <sup>3</sup>	DNEL long-term inhalative (systemic)	
		4,44 mg/kg bw/day	DNEL long-term dermal (systemic)	

**PNEC**

CAS No	Substance name	Value	Code	Remark
8028-48-6	Orange, sweet, extract	0,54 µg/l	PNEC aquatic, marine water	
		1,3 mg/kg	PNEC sediment, freshwater	
		0,13 mg/kg	PNEC sediment, marine water	
		2,1 mg/l	PNEC sewage treatment plant (STP)	

**Teak Oil Golden Classic****DNEL-/PNEC-values (continued)**

CAS No	Substance name	Value	Code	Remark
		5,4 µg/l	PNEC aquatic, freshwater	

**8.2. Exposure controls****Respiratory protection**

In case of insufficient ventilation or long-term effect use breathing apparatus.

Short term: filter apparatus, filter A

Not necessary with adequate exhaust ventilation.

**Hand protection**

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Nitril, 0,4 mm, 60 min, 480 min. e.g. "Camatril Profi" (KCL GmbH, Email: Vertrieb@kcl.de)

The selection of the suitable gloves does not only depend on different material, but also on further marks of quality and varies from manufacturer to manufacturer.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

**Eye protection**

tightly fitting goggles

**! Other protection measures**

Light protective clothing.

**Appropriate engineering controls**

Ensure good ventilation, where necessary use fume hood.

**! SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Appearance**

liquid

**Colour**

brown

**Odour**

Orange scent

**Odour threshold**

not determined

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>	not determined				
<b>boiling point</b>	187 - 213 °C				Data refer to the main component.
<b>Melting point / Freezing point</b>	not determined				
<b>Flash point</b>	> 45 °C				
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not determined				

	Value	Temperature	at	Method	Remark
<b>Flammability (gas)</b>	not determined				
<b>Ignition temperature</b>	not determined				
<b>Self ignition temperature</b>	430 °C				Data refer to the main component.
<b>Lower explosion limit</b>	not determined				
<b>Upper explosion limit</b>	not determined				
<b>Vapour pressure</b>	not determined				
<b>Relative density</b>	0,82 g/cm <sup>3</sup>	20 °C			
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>		20 °C			insoluble
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	ca. 6 - 7				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity kinematic</b>	> 20,5 mm <sup>2</sup> /s	40 °C			
<b>Oxidising properties</b>	No information available.				
<b>Explosive properties</b>	Could form explosive mixtures with air.				
<b>9.2. Other information</b>	Refer to technical data sheet.				

## ! SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

Stable under normal conditions of use.

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

Reactions with oxidising agents.



---

**10.4. Conditions to avoid**

Heat, open flames, sparks

**10.5. Incompatible materials**

**Substances to avoid**

Oxidising agent

**10.6. Hazardous decomposition products**

Concerning possible decomposition products see section 5.

**Thermal decomposition**

Remark No decomposition if used as directed.

---

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity/Irritation/Sensitization**

	Value/Validation	Species	Method	Remark
<b>Skin sensitization</b>	sensitizing			

**Aspiration hazard**

After swallowing and subsequent vomiting, aspiration into the lungs can occur, which can lead to chemical pneumonia or suffocation.

**Experiences made from practice**

Sensitization through skin contact possible.

Repeated and prolonged skin contact may cause defatting and irritation.

Inhalation can cause damage to the respiratory tract or lungs.

Inhalation of vapors may cause headache, drowsiness and dizziness.

**Additional information**

The product should be handled with the care usual when dealing with chemicals.

Further hazardous properties can not be excluded.

---

**SECTION 12: Ecological information**

**12.1. Toxicity**

No information available.

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

No information available.

**12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### 12.6. Other adverse effects

##### General regulation

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Recommendations for the product

There are no harmonised regulations on the disposal of chemicals in the member states of the EU. In Germany the Recycling and Waste Management Act (KrWG) stipulates recycling as a requirement. This means that a distinction must be made between "wastes for recycling" and "wastes for disposal". Particular aspects - in the main concerning delivery - are also governed by the Laender.

##### Recommendations for packaging

Disposal according to official regulations.

##### General information

Allocation of the waste number has to be done according to the EWC directive industry- and process-specific.

### SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	3295	3295	3295
14.2. UN proper shipping name	HYDROCARBONS, LIQUID, N.O.S.	HYDROCARBONS, LIQUID, N.O.S.	Hydrocarbons, liquid, n.o.s.
14.3. Transport hazard class(es)	3	3	3
14.4. Packing group	III	III	III
14.5. Environmental hazards	Yes	Yes	Yes

#### 14.6. Special precautions for user

No information available.

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

#### Land and inland navigation transport ADR/RID

Hazard label(s) 3

tunnel restriction code D/E

Classification code F1

#### Marine transport IMDG

MARINE POLLUTANT

---

## ! SECTION 15: Regulatory information

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

#### National regulations

**Water hazard class** 2 following VwVwS  
hazardous to water

### 15.2. Chemical Safety Assessment

No information available.

---

## ! SECTION 16: Other information

### Training advice

See the technical data sheet for more information.

### Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

### Further information

The national special regulations have to be implemented by each user their own responsibility!  
The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Please note: Our Material Safety Data Sheets have been prepared in accordance with EU directives, WITHOUT taking into account the specific national regulations for handling hazardous materials and chemicals.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.1

### ! Sources of key data used

Data sheets of the suppliers.

Federal Environment Agency (water hazard classes)

- EUH066 Repeated exposure may cause skin dryness or cracking.
- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H331 Toxic if inhaled.
- H336 May cause drowsiness or dizziness.
- H372 Causes damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- H413 May cause long lasting harmful effects to aquatic life.