

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

1.1. Product identifier

Name of product Teak Brightener
Art-Nr 02.1190.00

1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended intended purpose(s)
cleaning agent

1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor Yachticon A. Nagel GmbH
Hans-Böckler-Ring 33, 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
Information in German.

! 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
Eye Dam. 1	H318	

! Hazard statements for health hazards

H318 Causes serious eye damage.

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]



GHS05

! Signal word

Danger

Teak Brightener**! Hazard statements for health hazards**

H318 Causes serious eye damage.

Precautionary Statements**General**

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

P102 Keep out of reach of children.

! Prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection.

! Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor/... .

Disposal

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

! Hazardous ingredients for labeling

Fatty alcohol, C12-14, ethoxylated, oxalic acid dihydrate

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]
111-76-2	203-905-0	butylcellosolve	< 4	Acute Tox. 4, H332 / Acute Tox. 4, H312 / Acute Tox. 4, H302 / Eye Irrit. 2, H319 / Skin Irrit. 2, H315
68439-50-9	Polymer	Fatty alcohol, C12-14, ethoxylated	< 3	Acute Tox. 4, H302 / Eye Dam. 1, H318 / Aquatic Acute 1, H400
6153-56-6	205-634-3	oxalic acid dihydrate	< 3	Acute Tox. 4, H302 / Acute Tox. 4, H312 / Eye Dam. 1, H318
7664-38-2	231-633-2	phosphoric acid	< 7	Skin Corr. 1B, H314 / Metal Corr. 1, H290 / **

REACH

CAS No	Name	REACH registration number
111-76-2	butylcellosolve	01-2119475108-36-XXXX
6153-56-6	oxalic acid dihydrate	01-2119534576-33-XXXX
7664-38-2	phosphoric acid	01-2119485924-24-XXXX

! Additional advice

** Substance-specific threshold values were taken into account for the classification of the product.

Labelling for contents according to regulation (EC) No 648/2004, annex VII

5 % or over but less than 15 % non-ionic surfactants

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.

In case of skin contact

In case of contact with skin wash off with water.

Seek medical advice if symptoms occur and skin irritation persists.

In case of eye contact

Eye rinsing with water carefully while protecting unhurt eye.

Remove contact lenses.

Call for a doctor immediately.

In case of ingestion

Do not induce vomiting.

Refer to medical treatment.

Rinse out mouth and give plenty of water to drink.

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

No information available.

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

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Dry fire-extinguishing substance

Carbon dioxide

Water spray 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)

Phosphorus oxides (e.g. phosphorus pentoxide)

Carbon dioxide (CO₂)

The product itself does not burn. No details about unusual fire or explosion hazard.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply (isolated).

Additional information

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Avoid skin and eye contact.
Use personal protective clothing.
High risk of slipping due to leakage/spillage of product.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.
If product enters water course or sewage system, inform the responsible authority.

6.3. Methods and material for containment and cleaning up

Send in suitable containers for recovery or disposal.
Take up with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).
After taking up the material dispose according to regulation.

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

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.
Avoid contact with skin and eyes.

General protective measures

Avoid contact with eyes and skin

Hygiene measures

Clean skin thoroughly after working.
At work do not eat, drink and smoke.
Remove soiled or soaked clothing immediately.

Advice on protection against fire and explosion

No special measures necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in closed original container.

Advice on storage compatibility

Do not store with alkalis.
Do not store together with oxidizing agents.

Further information on storage conditions

Keep container dry, tightly closed and store at cool place.

Storage group 8B

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

No information available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2006/15/EC or 2009/161/EU)**

CAS No	Name	Code	[mg/m ³]	[ppm]	Remark
111-76-2	2-butoxyethanol	8 hours	98	20	skin
		Short-term	246	50	
7664-38-2	phosphoric acid	8 hours	1		
		Short-term	2		

biological limits (TRGS 903)

CAS No	Name	Parameter	BGW	Examination material	Test date
111-76-2	2-butoxyethanol	Butoxyessigsäure	100 mg/l	U	c
111-76-2	2-butoxyethanol	Butoxyessigsäure (nach Hydrolyse)	200 mg/l	U	c

8.2. Exposure controls**Respiratory protection**

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

safety goggles

Other protection measures

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

colourless

Odour

characteristic

Odour threshold

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 18.03.2016

revision 18.03.2016 (GB) Version 1.3



Teak Brightener

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	> 2	20 °C			
boiling point	ca. 100 °C				
melting point	ca. 0 °C				
Flash point	not determined				
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	not determined				
Self ignition temperature					The product is not self-igniting.
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	not determined				
Relative density	ca. 1 g/cm ³	20 °C			
Vapour density	not determined				
Solubility in water		20 °C			multimiscible
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				
Viscosity	not determined				

Oxidising properties

No information available.

Explosive properties

The product is not explosive.

9.2. Other information

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 strong alkalies and oxidising agents.

10.4. Conditions to avoid

Avoid heat and frost.

10.5. Incompatible materials

Substances to avoid

Alkali (lye)

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
Skin irritation	corrosive			
Eye irritation	corrosive			
Skin sensitization	No known sensitization.			
Sensitization respiratory system	No known sensitization.			

Experiences made from practice

Risk of strong eye injuries.

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

Harmful effect in the water possible by shifting of the pH value.

General regulation

Do not allow uncontrolled leakage of product into the environment.

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

Totally emptied packaging may be treated as household waste.
Disposal according to official regulations.

Recommended cleansing agent

water

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	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-

Teak Brightener

	ADR/RID	IMDG	IATA-DGR
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-
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.			
Transport/further information No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.			

! SECTION 15: Regulatory information

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

National regulations

Water hazard class 1 following VwVwS
slightly 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: 1.2

Sources of key data used

Data sheets of the suppliers.

Federal Environment Agency (water hazard classes)

- H290 May be corrosive to metals.
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.

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- H332 Harmful if inhaled.
- H400 Very toxic to aquatic life.