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

1.1. Product identifier

Name of product

Under Water Wax
Art-Nr 02.2124.00

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

Recommended intended purpose(s)
Surface 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 37 80, 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

Phone +49 40 511 37 80
This number is only available at office times.

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**	
STOT SE 3	**H336**	
Aquatic Chronic 3	**H412**	

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

Hazard statements for health hazards
H336 **May cause drowsiness or dizziness.**

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
H336 **May cause drowsiness or dizziness.**

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

Precautionary Statements

General
P102 Keep out of reach of children.
P103 Read label before use.

Prevention
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.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

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
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics

Supplemental Hazard information (EU)

Health properties
Repeated exposure may cause skin dryness or cracking.

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]
	927-241-2	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics	> 70 < 90	Flam. Liq. 3, H226 / Asp. Tox. 1, H304 / STOT SE 3, H336 / Aquatic Chronic 3, H412 / , EUH066

REACH

CAS No	Name	REACH registration number
	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics	01-2119471843-32-XXXX

Additional advice
Benzene content <0.1%

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 soap and water.
Lotion with a cream that contains fat and nourishing substances.

In case of eye contact
Medical treatment by eye specialist.
In case of contact with eyes rinse thoroughly with water.
Remove contact lenses.

In case of ingestion
Do not induce vomiting.
Refer to medical treatment.
Rinse out mouth thoroughly with water.

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
Alcohol-resistant foam
Dry fire-extinguishing substance
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 case of fire formation of dangerous gases possible.
In the event of fire the following can be released:
Carbon monoxide (CO)
Carbon dioxide (CO2)
Vapors can cover long distances along the ground and ignite.
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 protective clothing.

Additional information
Forms slippery surfaces with water.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.
Collect contaminated firefighting water separately, must not be discharged into the drains.

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.
Use breathing apparatus if exposed to vapors / aerosol.
Forms slippery surfaces with water.
Ensure adequate ventilation / exhaustion at the workplace.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Do not distribute with water.
Do not rinse with water - extreme danger of slipping!
Take up with absorbent material (e.g. sand, general-purpose binder, kieselguhr).
After taking up the material dispose according to regulation.

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

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.
Avoid inhalation of vapors.
Avoid contact with skin and eyes.
Take the usual precautions when handling with chemicals.

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.
Keep away from food and drink.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking
Vapours can form an explosive mixture with air.
Avoid effect of heat.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in closed original container.
Only use containers that are approved specifically for the substance/product.

Advice on storage compatibility

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

Further information on storage conditions

Exclude sources of ignition - No smoking.
Protect from direct solar radiation.
Protect from extreme heat and cold.
Keep container dry and store at cool and aired place.

Storage group 3

Fire class B

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
	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics	300 mg/kg bw/day	DNEL long-term dermal (systemic)	

DNEL-/PNEC-values (continued)

CAS No	Substance name	Value	Code	Remark
		1500 mg/m3	DNEL long-term inhalative (systemic)	

DNEL Consumer

CAS No	Substance name	Value	Code	Remark
	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics	300 mg/kg bw/day	DNEL long-term oral (repeated)	
		300 mg/kg bw/day	DNEL long-term dermal (systemic)	
		900 mg/m3	DNEL long-term inhalative (systemic)	

8.2. Exposure controls

Respiratory protection
In case of insufficient ventilation or long-term effect use breathing apparatus.
Short term: filter apparatus, filter A

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance
viscous

Colour
light blue

Odour
characteristic

Odour threshold
not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	not determined				
boiling range	140 - 162 °C				Data refer to the main component.

	Value	Temperature	at	Method	Remark
solidifying point	-20 °C				Data refer to the main component.
Flash point	ca. 27 °C				
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	not determined				
Self ignition temperature	> 200 °C				Data refer to the main component.
Lower explosion limit	0,6 Vol-%				Data refer to the main component.
Upper explosion limit	7 Vol-%				Data refer to the main component.
Vapour pressure	ca. 6 hPa	20 °C			Data refer to the main component.
Relative density	0,774 g/cm3	20 °C			
Vapour density	> 1		1013 hPa		(Air = 1.0); Data refer to the main component.
Solubility in water					insoluble
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				
Viscosity					medium viscosity

Oxidising properties
No information available.

Explosive properties
The product itself is not explosive, however, formation of explosive / flammable vapor-air mixtures is possible.

9.2. Other information
Refer to technical data sheet.

SECTION 10: Stability and reactivity

10.1. Reactivity
Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

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
LD50 acute oral	> 5000 mg/kg	rat	OECD 401 äquivalent	Data refer to structurally similar materials to the main component.
LD50 acute dermal	> 5000 mg/kg	rabbit	OECD 402 äquivalent	Data refer to structurally similar materials to the main component.
LC50 acute inhalation	< 4951 mg/m3 (4 h)	rat	OECD 403 äquivalent	Data refer to structurally similar materials to the main component.
Skin irritation	non-irritant			
Eye irritation	non-irritant			

	Value/Validation	Species	Method	Remark
Skin sensitization	No known sensitization.			
Sensitization respiratory system	No known sensitization.			

Experiences made from practice
Repeated or prolonged contact with the product leads to degreasing of the skin and may cause non-allergic skin problems (contact dermatitis) and / or absorption of harmful substances.
Inhalation of vapors may cause headache, drowsiness and dizziness.
Frequent persistent contact with the skin may cause skin irritation.

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

Ecotoxicological effects

	Value	Species	Method	Validation
Fish	LL50 10 - 29 mg/l (96 h)	Oncorhynchus mykiss		Data refer to structurally similar materials to the main component.
Daphnia	EL50 22 - 45 mg/l (48 h)	Daphnia magna		Data refer to structurally similar materials to the main component.
Algae	EL50 > 1000 mg/l (72 h)	Pseudokirchneriella subcapitata		Data refer to structurally similar materials to the main component.

12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
Biological degradability	89 % (28 d) Data refer to main component.		Test Type: Ready biodegradability in water	readily degradable

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
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

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. (Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha)	HYDROCARBONS, LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha)	Hydrocarbons, liquid, n.o.s. (Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha)
14.3. Transport hazard class(es)	3	3	3
14.4. Packing group	III	III	III
14.5. Environmental hazards	No	No	No

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

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
Decree for case of interference/remarks	Quantity limits according to Hazardous Incident Ordinance must be observed.	

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.

Sources of key data used
Data sheets of the suppliers.

EUH066 Repeated exposure may cause skin dryness or cracking.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.