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

1.1. Product identifier

Name of product Inflateable Boat Cleaner
Art-Nr 02.1177.00

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
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.

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Information in German and English.

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
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Aquatic Chronic 3	H412	
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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]

Hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

General

P102 Keep out of reach of children.

Prevention

P273 Avoid release to the environment.

Disposal

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

Special rules for supplemental label elements for certain mixtures

Contains limonene. May produce an allergic reaction.

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]
112-34-5	203-961-6	2-(2-butoxyethoxy)ethanol	< 2	Eye Irrit. 2, H319
8028-48-6	232-433-8	Orange, sweet, extract	< 1	Flam. Liq. 3, H226 / Skin Irrit. 2, H315 / Skin Sens. 1, H317 / Aquatic Chronic 2, H411 / Asp. Tox. 1, H304
9004-82-4		Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(dodecyloxy)-,sodium salt	> 1 < 5	Skin Irrit. 2, H315 / Eye Irrit. 2, H319

REACH

CAS No	Name	REACH registration number
8028-48-6	Orange, sweet, extract	01-2119493353-35-XXXX

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

LIMONENE (CAS 5989-27-5)

less than 5 % anionic surfactants

less than 5 % non-ionic surfactants

methylisothiazolinone and chloromethylthiazolinone

DIMETHYLOL GLYCOL

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated soaked clothing immediately.

In the event of persistent symptoms receive medical treatment.

In case of inhalation

Ensure of fresh air.

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In case of skin contact

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

In case of eye contact

In case of contact with eyes rinse thoroughly with water.

Remove contact lenses.

In case of ingestion

Do not induce vomiting.

Seek medical advice immediately.

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

Fire-extinguishing activities according to surrounding.

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.

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Attention slip hazard, if leaking.

The product itself does not burn.

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

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.

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.
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

Send in suitable containers for recovery or disposal.
Take up with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

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.
Take the usual precautions when handling with chemicals.
Handle in accordance with good industrial hygiene and safety practice.

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.
Use barrier skin cream.

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 acids.
Do not store together with oxidizing agents.

Further information on storage conditions

Keep container tightly closed and store at cool and aired place.

Storage group 12

Inflateable Boat Cleaner**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
112-34-5	2-(2-butoxyethoxy)ethanol	8 hours	67,5	10	
		Short-term	101,2	15	

DNEL-/PNEC-values**DNEL worker**

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

DNEL Consumer

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

PNEC

CAS No	Substance name	Value	Code	Remark
8028-48-6	Orange, sweet, extract	1,3 mg/kg	PNEC sediment, freshwater	
		2,1 mg/l	PNEC sewage treatment plant (STP)	
		0,13 mg/kg	PNEC sediment, marine water	
		5,4 µg/l	PNEC aquatic, freshwater	
		0,54 µg/l	PNEC aquatic, marine water	

8.2. Exposure controls**Respiratory protection**

If ventilation insufficient, wear respiratory protection.

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

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

viscous

Colour

white

Odour

characteristic

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	9 - 9,8	20 °C			
boiling point	ca. 100 °C				
Melting point / Freezing point	not determined				
Flash point					not applicable
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	not determined				
Self ignition temperature	not determined				
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	not determined				
Relative density	1,08 g/cm ³				
Vapour density	not determined				
Solubility in water					partially soluble
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				

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	Value	Temperature	at	Method	Remark
Decomposition temperature	not determined				
Viscosity kinematic	> 20,5 mm ² /s	40 °C			
Oxidising properties	No information available.				
Explosive properties	The product is not explosive.				
9.2. Other information	No information available.				

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Reactions with acids.

Reactions with oxidising agents.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

Substances to avoid

Ammonia

Acid

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	non-irritant			
Eye irritation	non-irritant			

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Experiences made from practice

Possible sensitization in case of persons suffering from hypersensitivity.
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

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.

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

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 taken for recycling.

Totally emptied packaging may be treated as household waste.

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

Decree for case of interference/remarks Accident decree, addendum II: not named.

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.

Federal Environment Agency (water hazard classes)

- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H411 Toxic to aquatic life with long lasting effects.