

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

1.1. Product identifier

Name of product Water Line Cleaner
Art-Nr 02.1178.00

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 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
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Skin Irrit. 2	H315	
Eye Dam. 1	H318	

Hazard statements for health hazards

H315	Causes skin irritation.
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

Water Line Cleaner**Signal word**

Danger

Hazard statements for health hazards

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary Statements**General**

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/...

P362 + P364 Take off contaminated clothing and wash it before reuse.

Hazardous ingredients for labeling

fatty alcohol alkoxyates, 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]
7647-01-0	231-595-7	hydrochloric acid	1 < 3	Skin Corr. 1B, H314 / STOT SE 3, H335 / Met. Corr. 1, H290 / **
6153-56-6	205-634-3	oxalic acid dihydrate	3 < 5	Acute Tox. 4, H302 / Acute Tox. 4, H312 / Eye Dam. 1, H318
7664-38-2	231-633-2	phosphoric acid	3 - 5	Skin Corr. 1B, H314 / Metal Corr. 1, H290 / * / **
	Polymer	fatty alcohol alkoxyates	1 < 3	Skin Irrit. 2, H315

REACH

CAS No	Name	REACH registration number
7647-01-0	hydrochloric acid	01-2119484862-27-XXXX
6153-56-6	oxalic acid dihydrate	01-2119534576-33-XXXX
7664-38-2	phosphoric acid	01-2119485924-24-XXXX
	fatty alcohol alkoxyates	02-2119548508-30-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

less than 5 % anionic surfactants

less than 5 % 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.

In case of eye contact

In case of contact with eyes rinse thoroughly with water.
Remove contact lenses.
Call for a doctor immediately.

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

Product does not burn, 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

In the case of thermal decomposition formation of dangerous gases possible.
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).

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

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

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).
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

Avoid contact with skin and eyes.
Take the usual precautions when handling with chemicals.

General protective measures

Avoid contact with the skin.
Avoid contact with the eyes.

Hygiene measures

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

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 together with food.

Further information on storage conditions

Keep container dry and tightly closed.

Storage group 12

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/m3]	[ppm]	Remark
7664-38-2	phosphoric acid	8 hours	1		
		Short-term	2		

DNEL-/PNEC-values

DNEL worker

CAS No	Substance name	Value	Code	Remark
6153-56-6	oxalic acid dihydrate	4,03 mg/m3	DNEL long-term inhalative (systemic)	
		2,29 mg/kg bw/day	DNEL long-term dermal (systemic)	
		0,69 mg/m3	DNEL acute dermal, short-term (local)	
7647-01-0	hydrochloric acid	15 mg/m3	DNEL acute inhalative (local)	
7664-38-2	phosphoric acid	2,92 mg/m3	DNEL long-term inhalative (local)	

DNEL Consumer

CAS No	Substance name	Value	Code	Remark
6153-56-6	oxalic acid dihydrate	1,14 mg/m3	DNEL long-term inhalative (systemic)	
		1,14 mg/kg	DNEL long-term dermal (systemic)	
		0,35 mg/m3	DNEL acute dermal, short-term (local)	
7647-01-0	hydrochloric acid	8 mg/m3	DNEL long-term inhalative (local)	
7664-38-2	phosphoric acid	0,73	DNEL long-term inhalative (local)	

PNEC

CAS No	Substance name	Value	Code	Remark
6153-56-6	oxalic acid dihydrate	0,01622 mg/l	PNEC aquatic, marine water	
		0,1622 mg/l	PNEC aquatic, freshwater	
7647-01-0	hydrochloric acid	0,036 mg/l	PNEC aquatic, freshwater	
		0,036 mg/l	PNEC aquatic, marine water	
		0,045 mg/l	PNEC aquatic, intermittent release	
		0,036 mg/l	PNEC sewage treatment plant (STP)	

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.

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Eye protection
tightly fitting 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 light yellow	Odour characteristic
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Odour threshold
not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	< 1	20 °C			
Boiling temperature / boiling range	not determined				
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					The product is not self-igniting.
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	not determined				
Relative density	1,05 - 1,07 g/cm ³	20 °C			
Vapour density	not determined				
Solubility in water		20 °C			multimiscible

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	Value	Temperature	at	Method	Remark
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				
Viscosity dynamic	11 s	20 °C		DIN 53211	

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

No hazardous reactions known.

10.4. Conditions to avoid

Avoid heat and frost.

10.5. Incompatible materials**Substances to avoid**

Chlorine

10.6. Hazardous decomposition products

Hydrogen chloride (HCl)

Concerning possible decomposition products see section 5.

Thermal decomposition

Remark No decomposition if used as directed.

Additional information

As a general rule we recommend avoiding the contact with strong chemical reagents, such as acids, bases, reductors and oxidizers.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
Skin irritation	Irritant to skin and mucous membranes.			
Eye irritation	risk of strong eye injuries			
Skin sensitization	No known sensitization.			

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

Do not allow uncontrolled leakage of product into the environment.

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

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)	-	-	-
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	2	Manufacturer specifications hazardous to water
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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.

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

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Water Line Cleaner

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.

Sources of key data used

Data sheets of the suppliers.

- 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.
- H335 May cause respiratory irritation.