

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

1.1. Product identifier

Name of product Bilgen und Maschinenraum Reiniger
Art-Nr 1.0304.07319.00000
02.7319.00

1.2. Relevant identified uses of the substance or mixture and uses advised against
No information available.

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 30686700
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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Eye Dam. 1	H318	
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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

Hazard statements for health hazards

H318 Causes serious eye damage.

Precautionary Statements

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/...

Hazardous ingredients for labeling

Fatty alcohol, C12-14, ethoxylated, laurylamine

2.3. Other hazards

Results of PBT and vPvB assessment

The components in this formulation do not meet the PBT / vPvB criteria of 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]
1310-73-2	215-185-5	sodium-hydroxide	< 0,5	Skin Corr. 1A, H314
68439-50-9	Polymer	Alcohols C12-14, ethoxylated, 7-14 EO	< 10	Acute Tox. 4, H302 / Eye Dam. 1, H318 / Aquatic Chronic 3, H412
31017-83-1		laurylamine	< 5	Acute Tox. 4 (oral), H302 / Eye Dam. 1, H318
7320-34-5	230-785-7	tetrapotassiumpyrophosphate	< 5	Eye Irrit. 2, H319

REACH

CAS No	Name	REACH registration number
1310-73-2	sodium-hydroxide	01-2119457892-27-XXXX
7320-34-5	tetrapotassiumpyrophosphate	01-2119489369-18-XXXX

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

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

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.
Rinse mouth and nose with water.

In case of skin contact

Rinse with plenty of water.

In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
Remove contact lenses.

In case of ingestion

Do not induce vomiting.
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

Alcohol-resistant foam
Dry powder
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:

Nitrogen gases (NO_x)
Carbon monoxide (CO)
Phosphorus oxides (e.g. phosphoruspentoxide)
Carbon dioxide (CO₂)

Under certain fire conditions traces of other toxic substances cannot be excluded.

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.

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

Cool containers with water.

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.
- Use personal protective clothing.
- Do not breathe vapors.
- Avoid contact with clothing, skin and eyes.
- Keep unprotected persons away.
- Use suitable breathing apparatus if exposed to vapors / aerosol.

6.2. Environmental precautions

- Do not discharge into the drains/surface waters/groundwater.
- Dilute with plenty of water.
- 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 with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).
- After taking up the material dispose according to regulation.
- Ensure adequate ventilation.

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.
- Handle in accordance with good industrial hygiene and safety practice.
- Do not inhale vapors.
- Keep container tightly closed.
- Do not eat, drink or smoke in the area of application.

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.
- Wash hands before breaks and after work.
- 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

Store and transport separate of food.

Further information on storage conditions

Protect from extreme heat and cold.

Keep container in a well-ventilated place

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

Storage group 12

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No information available.

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

mild

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	11	20 °C			

Bilgen und Maschinenraum Reiniger

	Value	Temperature	at	Method	Remark
Boiling temperature / boiling range	not determined				
Melting point / Freezing point	not determined				
Flash point	not determined				
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	1,12 g/cm ³				
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

No information available.

10.3. Possibility of hazardous reactions

Reactions with acids and strong oxidising agents.

10.4. Conditions to avoid

Avoid heat and frost.

10.5. Incompatible materials

Substances to avoid

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	low irritant effect - not necessary to label			
Eye irritation	irritant - risk of strong eye injuries			
Skin sensitization	No known sensitization.			
Sensitization respiratory system	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 components in this formulation do not meet the PBT / vPvB criteria of REACH, Annex XIII.

12.6. Other adverse effects

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

Behaviour in sewage plant

The product is an alkaline solution. Neutralization is normally necessary before waste water is discharged into sewage treatment plants.

General regulation

Product is not allowed to be discharged into the ground water or aquatic 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, if necessary with cleansing agents.

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	-	-	-

	ADR/RID	IMDG	IATA-DGR
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	following AwSV (Germany) hazardous to water
Decree for case of interference/remarks	Not subject to the Hazardous Incident Ordinance	

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: 1.7

Bilgen und Maschinenraum Reiniger

Sources of key data used

Data sheets of the suppliers.

European Chemicals Agency (ECHA)

Federal Environment Agency (water hazard classes)

- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H412 Harmful to aquatic life with long lasting effects.