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

### 1.1. Product identifier

**Name of product** Deck Super Cleaner  
Art-Nr 02.1182.00

**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.  
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## 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
Acute Tox. 4	H302	
Skin Corr. 1C	H314	
STOT SE 3	H335	

### Hazard statements for health hazards

H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H335 May cause respiratory irritation.

### 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



GHS07

**Signal word**  
Danger

**Hazard statements for health hazards**

H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H335 May cause respiratory irritation.

**Precautionary Statements**

**General**

P102 Keep out of reach of children.

**Prevention**

P260 Do not breathe dust.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
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/...  
P314 Get medical advice/attention if you feel unwell.  
P363 Wash contaminated clothing before reuse.

**Storage**

P405 Store locked up.

**Disposal**

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

**Hazardous ingredients for labeling**

laurylamine, sodium metasilicate 5-hydrate

**Additional information**

**Special rules on packaging**

Touchable warning sign (EN/ISO 11683).  
Childproof closures (EN/862/ISO 8317).

**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]
497-19-8	207-838-8	sodium carbonate	< 50	Eye Irrit. 2, H319
	932-051-8	Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide	< 5	Skin Irrit. 2, H315 / Eye Dam. 1, H318 / Aquatic Chronic 3, H412
31017-83-1		laurylamine	< 5	Acute Tox. 4 (oral), H302 / Eye Dam. 1, H318
10213-79-3		sodium metasilicate 5-hydrate	< 50	Skin Corr. 1B, H314 / STOT SE 3, H335 / Met. Corr. 1, H290

#### REACH

CAS No	Name	REACH registration number
497-19-8	sodium carbonate	01-2119485498-19-XXXX
	Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide	01-2119565112-48-0000

**Labelling for contents according to regulation (EC) No 648/2004, annex VII**  
less than 5 % cationic surfactants

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove moisted clothing immediately.

#### In case of inhalation

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

#### In case of skin contact

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

Consult a doctor if 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

Call for a doctor immediately.

Rinse out mouth and give plenty of water to drink.

Do NOT induce vomiting - risk of perforation!

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

No information available.

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**4.3. Indication of any immediate medical attention and special treatment needed**  
No information available.

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## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Product does not burn, fire-extinguishing activities according to surrounding.

Dry fire-extinguishing substance

Carbon dioxide

Water spray 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. 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**

Residues of fire and contaminated fire extinguishing water must not enter drains, surface water or groundwater.

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## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

#### **For non-emergency personnel**

Avoid skin and eye contact.

Avoid dust formation.

Use personal protective clothing.

Do not breathe dust.

### **6.2. Environmental precautions**

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

Do not discharge into the subsoil/soil.

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.

Flush away residues with water.

After taking up the material dispose according to regulation.

Take up mechanically.

### **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

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid the formation and deposition of dust.

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.

#### General protective measures

Avoid contact with eyes and skin

Do not inhale dust.

#### Hygiene measures

Clean skin thoroughly after working.

At work do not eat, drink and smoke.

Remove soiled or soaked clothing immediately.

Wash hands and skin before breaks and after work.

### 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.

#### Further information on storage conditions

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

**Storage group** 8B

### 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
10213-79-3	sodium metasilicate 5-hydrate	1,49 mg/kg bw/day	DNEL long-term dermal (systemic)	
		6,22 mg/m <sup>3</sup>	DNEL long-term inhalative (systemic)	

##### DNEL Consumer

CAS No	Substance name	Value	Code	Remark
10213-79-3	sodium metasilicate 5-hydrate	0,74 mg/kg bw/day	DNEL long-term oral (repeated)	
		1,55 mg/m <sup>3</sup>	DNEL long-term inhalative (systemic)	
		0,74 mg/kg bw/day	DNEL long-term dermal (systemic)	

**Deck Super Cleaner****PNEC**

CAS No	Substance name	Value	Code	Remark
10213-79-3	sodium metasilicate 5-hydrate	1000 mg/l	PNEC sewage treatment plant (STP)	
		1 mg/l	PNEC aquatic, marine water	
		7,5 mg/l	PNEC aquatic, freshwater	

**8.2. Exposure controls****Respiratory protection**

Particle filter P2

In case of dust formation wear micro dust mask.

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 with side protection

**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**

solid

**Colour**

white

**Odour**

mild

**Odour threshold**

not determined

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>	11	20 °C			saturated solution
<b>Boiling temperature / boiling range</b>	not determined				
<b>Melting point / Freezing point</b>	not determined				
<b>Flash point</b>					not applicable
<b>Vapourisation rate</b>	not determined				

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	Value	Temperature	at	Method	Remark
<b>Flammable (solid)</b>					The product is not flammable.
<b>Flammability (gas)</b>	not determined				
<b>Ignition temperature</b>	not determined				
<b>Self ignition temperature</b>					The product is not self-igniting.
<b>Lower explosion limit</b>	not determined				
<b>Upper explosion limit</b>	not determined				
<b>Vapour pressure</b>	not determined				
<b>Relative density</b>	not determined				
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>					soluble
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity</b>	not determined				
<b>Solids content</b>	100 %				

**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.

**Deck Super Cleaner**

**10.3. Possibility of hazardous reactions**

Reacts with acids.

**10.4. Conditions to avoid**

No information available.

**10.5. Incompatible materials**

**Substances to avoid**

Acid

**10.6. Hazardous decomposition products**

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
<b>LD50 acute oral</b>	1152 - 1349 mg/kg	rat		Data refer to sodium metasilicate 5-hydrate.
<b>LD50 acute dermal</b>	> 5000 mg/kg	rat		Data refer to sodium metasilicate 5-hydrate.
<b>Skin irritation</b>	corrosive			
<b>Eye irritation</b>	corrosive			
<b>Skin sensitization</b>	No known sensitization.			
<b>Sensitization respiratory system</b>	No known sensitization.			

**Experiences made from practice**

Corrosive effect on skin and mucous membrane.

**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
<b>Fish</b>	LC50 ca. 210 mg/l (96 h)	zebra fish		Data refer to sodium metasilicate 5-hydrate.
<b>Daphnia</b>	EC50 1700 mg/l (48 h)	Daphnia magna		Data refer to sodium metasilicate 5-hydrate.
<b>Bacteria</b>	EC0 > 10000 mg/l (48 h)			Data refer to sodium metasilicate 5-hydrate in 35% aqueous solution.

### 12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
<b>Biological degradability</b>				The methods for determining biodegradability are not applicable to inorganic substances.

### 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

Uncontaminated packaging may be taken for recycling.  
Uncontaminated packaging may be treated as household waste.  
Disposal according to official regulations.

#### Recommended cleansing agent

water

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**General information**

Allocation of the waste number has to be done according to the EWC directive industry- and process-specific.

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**SECTION 14: Transport information**

	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA-DGR</b>
<b>14.1. UN number</b>	1759	1759	1759
<b>14.2. UN proper shipping name</b>	CORROSIVE SOLID, N. O.S.	CORROSIVE SOLID, N.O.S.	Corrosive solid, n.o.s.
<b>14.3. Transport hazard class(es)</b>	8	8	8
<b>14.4. Packing group</b>	III	III	III
<b>14.5. Environmental hazards</b>	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) 8

tunnel restriction code E

Classification code C10

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**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.

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**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!

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## Deck Super Cleaner

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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: 1.1

### 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.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H412 Harmful to aquatic life with long lasting effects.