

**Washing compound**

Revision date: 14.06.2017

Product code: BO5002821

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking**
**1.1. Product identifier**

Washing compound

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

cleaning agent

**1.3. Details of the supplier of the safety data sheet**

Company name:	BOHLE AG	
Street:	Dieselstr. 10	
Place:	D-42781 Haan	
Telephone:	+49 2129 5568-0	Telefax: +49 2129 5568-282
e-mail:	info@bohle.de	
Contact person:	Klaus Nehren	Telephone: +49 2129 5568-276
e-mail:	MSDS@bohle.de	
Internet:	www.bohle-group.com	
Responsible Department:	Chemie	

**1.4. Emergency telephone number:**

Emergency CONTACT (24-Hour-Number):GBK GmbH +49 (0)6132-84463

**SECTION 2: Hazards identification**
**2.1. Classification of the substance or mixture**
**Regulation (EC) No. 1272/2008**

Hazard categories:

Substance or mixture corrosive to metals: Met. Corr. 1

Skin corrosion/irritation: Skin Corr. 1B

Hazard Statements:

May be corrosive to metals.

Causes severe skin burns and eye damage.

**2.2. Label elements**
**Regulation (EC) No. 1272/2008**
**Hazard components for labelling**

Silicic acid, disodium salt, pentahydrate

Signal word: Danger

Pictograms:


**Hazard statements**

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.

**Precautionary statements**

P260	Do not breathe vapour / Aerosol.
P262	Do not get in eyes, on skin, or on clothing.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): 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

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P308 present and easy to do. Continue rinsing.  
 IF exposed or concerned:  
 P310 Immediately call a POISON CENTER/doctor.

**SECTION 3: Composition/information on ingredients**
**3.2. Mixtures**
**Chemical characterization**

Surface active agent, alkaline in aqueous solution

**Hazardous components**

CAS No	Chemical name	Quantity
	EC No	Index No
	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
10213-79-3	Silicic acid, disodium salt, pentahydrate	5-10 %
	229-912-9	01-2119449811-37
	Met. Corr. 1, Skin Corr. 1B, STOT SE 3; H290 H314 H335	
111798-26-6	Poly(oxy-1,2-ethanediyl), a-(2-ethylhexyl)-?-hydroxy-, phosphate, sodium salt	1-2,5 %
	Skin Irrit. 2, Eye Irrit. 2; H315 H319	
	Fatty alcohol alkoxylated	1-2,5 %
	Skin Irrit. 2, Eye Dam. 1; H315 H318	

Full text of H and EUH statements: see section 16.

**Labelling for contents according to Regulation (EC) No 648/2004**

5 % - &lt; 15 % phosphates, &lt; 5 % anionic surfactants, &lt; 5 % non-ionic surfactants.

**SECTION 4: First aid measures**
**4.1. Description of first aid measures**
**General information**

Take off immediately all contaminated clothing.  
 Remove affected person from the danger area and lay down.

**After inhalation**

Provide fresh air.  
 If unconscious place in recovery position and seek medical advice.  
 If symptoms persist, call a physician.

**After contact with skin**

Wash with plenty of water.  
 If skin irritation persists, call a physician.

**After contact with eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
 Continue rinsing. If symptoms persist, call a physician.

**After ingestion**

Rinse mouth. Let water be drunk in little sips (dilution effect).  
 Do NOT induce vomiting. Call a doctor.  
 Do not allow a neutralisation agent to be drunk.

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

Causes severe skin burns and eye damage.  
 If swallowed danger of perforation of the esophagus and the stomach (strong corrosive effects).

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Processing vapours can irritate the respiratory tracts, skin and eyes.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>), Extinguishing powder, Water spray jet, alcohol resistant foam

**Unsuitable extinguishing media**

High power water jet

**5.2. Special hazards arising from the substance or mixture**

In case of fire may be liberated: Carbon monoxide, Carbon dioxide  
Nitrogen oxides (NO<sub>x</sub>)

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

**Additional information**

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Wear personal protective equipment.

**6.2. Environmental precautions**

Do not empty into drains.

Avoid subsoil penetration.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

**6.3. Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**6.4. Reference to other sections**

SECTION 7: Handling and storage

SECTION 8: Exposure controls/personal protection

SECTION 13: Disposal considerations

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Provide sufficient air exchange and/or exhaust in work rooms.

Provide eye shower and label its location conspicuously

**Advice on protection against fire and explosion**

Usual measures for fire prevention.

The product itself does not burn.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep only in the original container in a cool, well-ventilated place.

Protect against direct sunlight.

Always close containers tightly after the removal of product.

**Advice on storage compatibility**

Keep away from food, drink and animal feedingstuffs.

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**Further information on storage conditions**

storage temperature: 5°C - 40°C

**7.3. Specific end use(s)**

Cleaning agent

**SECTION 8: Exposure controls/personal protection**
**8.1. Control parameters**
**DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
10213-79-3	Silicic acid, disodium salt, pentahydrate			
Worker DNEL, long-term		inhalation	systemic	6,22 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	1,49 mg/kg bw/day

**PNEC values**

CAS No	Substance	Value
10213-79-3	Silicic acid, disodium salt, pentahydrate	
Environmental compartment		
Freshwater		7,5 mg/l
Marine water		1 mg/l
Micro-organisms in sewage treatment plants (STP)		1000 mg/l

**8.2. Exposure controls**
**Appropriate engineering controls**

Even in case of a full release, due to the small amount of substances present, it is not expected that exposure limits will be reached. However it is the duty of the user to verify this and follow given exposure limits at the workplace.

**Protective and hygiene measures**

Provide adequate ventilation. Do not breathe vapour/aerosol.  
 Avoid contact with skin, eyes and clothing. Take off all contaminated clothing immediately.  
 Keep away from food, drink and animal feedingstuffs. When using do not eat or drink.  
 Do not smoke. Wash hands before breaks and at the end of workday.

**Eye/face protection**

safety glasses with side-shields conforming to EN166

**Hand protection**

The selected protective gloves have to satisfy the specifications of EU Directive 89/689/EEC and the standard EN 374 derived from it.

Recommended material: CR (polychloroprene, chloroprene rubber)

Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

**Skin protection**

impervious clothing DIN EN 13034

Chemical resistant safety shoes

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection. Combination filtering device (EN 14387)

Recommended Filter type: A-P2

**Environmental exposure controls**

Do not allow to enter into surface water or drains.

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**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state: liquid  
Colour: light yellow  
Odour: very faint

**Test method**

pH-Value (at 20 °C): 12-12,5

**Changes in the physical state**

Melting point: 0 °C  
Initial boiling point and boiling range: >100 °C  
Flash point: not applicable

**Explosive properties**

Not explosive

**Auto-ignition temperature**

not auto-flammable

Density (at 20 °C): ca. 1,1 g/cm<sup>3</sup> DIN 51757

Water solubility: completely miscible

Viscosity / dynamic:  
(at 20 °C) 5 mPa·sViscosity / kinematic:  
(at 20 °C) 5 mm<sup>2</sup>/s**9.2. Other information**

May be corrosive to metals.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

None under normal processing.

**10.2. Chemical stability**

No decomposition if used as directed.

**10.3. Possibility of hazardous reactions**

Exothermic reaction with strong acids.

**10.4. Conditions to avoid**

Protect from frost, heat and sunlight.

**10.5. Incompatible materials**Materials to avoid:  
acids, aluminium, lead, zinc**10.6. Hazardous decomposition products**

None known.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****ATEmix tested**

	Dose	Species	Source
LD50, oral	>2000 mg/kg	Rat	

**Practical experience**

according to Regulation (EC) No 1907/2006

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**Other observations**

If swallowed danger of perforation of the esophagus and the stomach (strong corrosive effects).

**SECTION 12: Ecological information**

**12.1. Toxicity**

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
10213-79-3	Silicic acid, disodium salt, pentahydrate					
	Acute fish toxicity	LC50	210 mg/l	96 h	Brachydanio rerio (zebra-fish)	
	Acute crustacea toxicity	EC50	1700 mg/l	48 h	Daphnia magna (Big water flea)	

**12.2. Persistence and degradability**

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

**12.3. Bioaccumulative potential**

Bioaccumulation is unlikely.

**12.4. Mobility in soil**

No data available

**12.6. Other adverse effects**

slightly water endangering

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Advice on disposal**

In accordance with local and national regulations.

Consult the appropriate local waste disposal expert about waste disposal.

**Contaminated packaging**

In accordance with local and national regulations.

**SECTION 14: Transport information**

**Land transport (ADR/RID)**

**14.1. UN number:**

UN 3266

**14.2. UN proper shipping name:**

CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. Silicic acid, disodium salt, pentahydrate

**14.3. Transport hazard class(es):**

8

**14.4. Packing group:**

II

Hazard label:

8



Classification code:

C5

Special Provisions:

274

Limited quantity:

1 L

Excepted quantity:

E2

Transport category:

2

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Hazard No: 80  
Tunnel restriction code: E

**Inland waterways transport (ADN)**

**14.1. UN number:** UN 3266  
**14.2. UN proper shipping name:** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. Silicic acid, disodium salt, pentahydrate  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** II  
 Hazard label: 8



Classification code: C5  
 Special Provisions: 274  
 Limited quantity: 1 L  
 Excepted quantity: E2

**Marine transport (IMDG)**

**14.1. UN number:** UN 3266  
**14.2. UN proper shipping name:** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. Silicic acid, disodium salt, pentahydrate  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** II  
 Hazard label: 8



Special Provisions: 274  
 Limited quantity: 1 L  
 Excepted quantity: E2  
 EmS: F-A, S-B

**Other applicable information (marine transport)**

Alkalis  
 Clear of living quarters.  
 Separated from acids.

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number:** UN 3266  
**14.2. UN proper shipping name:** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. Silicic acid, disodium salt, pentahydrate  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** II  
 Hazard label: 8



Special Provisions: A3 A803  
 Limited quantity Passenger: 0.5 L  
 Passenger LQ: Y840  
 Excepted quantity: E2



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IATA-packing instructions - Passenger:	851
IATA-max. quantity - Passenger:	1 L
IATA-packing instructions - Cargo:	855
IATA-max. quantity - Cargo:	30 L

#### **14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

### **SECTION 15: Regulatory information**

#### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

##### **National regulatory information**

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D): 1 - slightly water contaminating

#### **15.2. Chemical safety assessment**

For this substance a chemical safety assessment is not required.

### **SECTION 16: Other information**

#### **Relevant H and EUH statements (number and full text)**

H290	May be corrosive to metals.
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.

#### **Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*