

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 % - < 15 % phosphates, < 5 % anionic surfactants, < 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 drunken 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 (CO₂), 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_x)

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 ³
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/cm³ DIN 51757

Water solubility: completely miscible

Viscosity / dynamic: 5 mPa·s
 (at 20 °C)

Viscosity / kinematic: 5 mm²/s
 (at 20 °C)

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.)