

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date: 10.05.2016

Version: 7.00

Revision: 10.05.2016

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

- **1.1 Product identifier**
- **Trade name:** Spülboy Bürstenreiniger / Sanitizer Powder
- **1.2 Relevant identified uses of the substance or mixture and uses advised against:** -
- **Application of the substance / the preparation:**
Cleaner for brushes
Solvent for beer slime
- **1.3 Details of the supplier of the safety data sheet**
- **Supplier/Manufacturer:**
Schäfer Produkte GmbH
Simonshöfchen 53
42327 Wuppertal
Germany
Tel: +49.(0)202.69532-0
E-Mail: info@spuelboy.de
www.spuelboy.de
- **Email competent person:** sds@kft.de
- **Information department:** See supplier/manufacturer
- **1.4 Emergency telephone number:**
National Poison Information Service (NPIS)
24 hour national number professionals only
0844 892 0111

- National Health Service (NHS)
24 hour national number consumer
England and Scotland: 111
Wales: 0845 46 47
Northern Ireland: call your local General Practitioner

- Call 999 if there is a life-threatening incident.

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

- Met. Corr.1 H290 May be corrosive to metals.
- Skin Corr. 1B H314 Causes severe skin burns and eye damage.
- Eye Dam. 1 H318 Causes serious eye damage.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05

- **Signal word** Danger
- **Hazard-determining components of labelling:**
disodium metasilicate

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Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

· Hazard statements

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

· Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P260 Do not breathe dust.
 P280 Wear protective gloves / eye protection.
 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.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P363 Wash contaminated clothing before reuse.
 P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Other notes:

Further labelling requirements of EC regulation 648/2004/EC annex VII have to be observed.
 According to regulation 1272/2008/EG annex II the containers are to fitted with child-resistant fastenings and a tactile warning of danger if offered or sold to the general public.

· 2.3 Other hazards Aqueous solutions are basic.**· Results of PBT and vPvB assessment**

- **PBT:** Not applicable
 - **vPvB:** Not applicable
-

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:

CAS: 497-19-8	sodium carbonate	50-70%
EINECS: 207-838-8	Eye Irrit. 2, H319	
Index number: 011-005-00-2		
REACH-no: 01-2119485498-19-xxxx		
CAS: 10213-79-3	disodium metasilicate	5-10%
EINECS: 229-912-9	Met. Corr.1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318; STOT SE 3, H335	
REACH-no: 01-2119449811-37-xxxx		
CAS: 68411-30-3	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	< 2.5%
EINECS: 270-115-0	Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; Aquatic Chronic 3, H412	
REACH-no: 01-2119489428-22-xxxx		

· Regulation (EC) No 648/2004 on detergents / Labelling for contents:

phosphates	15 - 30%
anionic surfactants	< 5%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures**· General information:**

Immediately remove any clothing soiled by the product.
 Remove affected persons from danger area and lay them down.

· After inhalation:

Supply fresh air; consult a doctor in case of pain.

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- In case of unconsciousness, place patients on their side in a stable position for transportation.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
Immediate medical treatment required. Failure to treat burns can prevent wounds from healing.
If symptoms persist, consult a doctor.
 - **After eye contact:** Rinse the eyes with open eyelids for 10 - 15 minutes with water. Then consult an eye specialist immediately.
 - **After swallowing:**
Rinse mouth with water.
Spit liquid out again.
Do not induce vomiting.
Drink lots of water and provide fresh air. Call a doctor immediately.
If babies/toddlers are concerned, always consult a physician or the local Poison Information Centre.
 - **4.2 Most important symptoms and effects, both acute and delayed**
Corrosive effect
intestinal corrosion
After inhalation:
Irritant effect on the respiratory tract
 - **4.3 Indication of any immediate medical attention and special treatment needed** Symptomatic treatment
-

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
 - **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire fighting measures that suit the environment.
 - **For safety reasons unsuitable extinguishing agents:** High volume water jet
 - **5.2 Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Irritant gases/vapours
Carbon monoxide and carbon dioxide
Noxious gases/vapours
 - **5.3 Advice for firefighters**
 - **Protective equipment:**
Do not inhale combustion vapours.
Wear self-contained respiratory protective device.
 - **Additional information:**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Collect contaminated fire fighting water separately. It must not enter the sewage system.
-

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Avoid contact with eyes and skin.



Wear protective equipment. Keep unprotected persons away.

- Avoid formation of dust.
Do not breath dust
Use respiratory protective device against the effects of fumes/dust/aerosol.
- **6.2 Environmental precautions:**
Do not allow to penetrate the ground/soil.
Prevent seepage into sewage system, workpits and cellars.
 - **6.3 Methods and material for containment and cleaning up:**
Ensure adequate ventilation.

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Pick up mechanically.

Avoid any dust formation. Pick up with a tested and approved industrial vacuum cleaner if necessary.

Make sure to recycle or dispose of in suitable receptacles.

- **6.4 Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**

Avoid contact with eyes and skin.

Avoid inhalation of dust.

Any deposit of dust which cannot be avoided must be regularly removed.

Prevent formation of dust.

- **Information about protection against explosions and fires:**

Dust may combine with air to form an explosive mixture.



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Observe the general rules of industrial fire protection.

- **7.2 Conditions for safe storage, including any incompatibilities**

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**

Store container tightly sealed at a cool and dry place with sufficient ventilation.

- **Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from metals.

Store away from feed.

Refer to national regulations for storing hazardous chemicals.

- **Further information about storage conditions:**

This product is hygroscopic.

Protect from humidity and water.

Keep receptacle tightly sealed.

- **Storage class:** 8A: Flammable corrosive hazardous materials

- **7.3 Specific end use(s)** Follow the directions!

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:**

Mechanical ventilation/exhaustion is strongly recommended.

No further data; see section 7.

- **8.1 Control parameters**

- **Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- **Additional information:** The lists that were valid during the creation were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Remove all soiled and contaminated clothing immediately.

Wash hands before breaks and at the end of work.

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Vacuum contaminated clothing. Do not blow or brush off contamination.
 Do not inhale dust/smoke/mist.
 Avoid contact with eyes and skin.
 After skin contact, cleanse skin thoroughly.
 After contact with eyes, rinse immediately.
 Provide eye bath.
 If larger quantities are handled, provide emergency showers.
 The following instructions regarding the protective equipment refer to the industrial use of larger quantities.

- **Breathing equipment:**

Under normal conditions of use not required



In case of brief exposure or low pollution use a respiratory filter device. In case of intensive or longer exposure use a respiratory protective device that is independent of circulating air.

- **Protection of hands:**

If used properly, not required for consumers

At longer contact: protective gloves

Alkaline resistant gloves

The glove material has to be impermeable and resistant to the product/substance/preparation.

Due to missing tests no recommendation to the glove material can be given for the product / preparation / chemical mixture.

Selection of the glove material in consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves:**

For undissolved solid substances following materials may be suitable:

nitrile rubber (NBR), butyl rubber (BR), fluorocarbon rubber (FKM) and polychloroprene rubber (CR)

The selection of suitable gloves depends upon the material, and also upon the quality of the gloves. The degree of protection will vary from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material:**

The exact penetration time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** At formation of dust or insufficient ventilation: Tightly sealed goggles

- **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information:**

- **Appearance:**

Form: Powder

Colour: White

- **Odour:** Characteristic

- **Odour threshold:** Not determined

- **pH-value:** Not determined

- **Change in condition:**

Melting point/Melting range: Not determined

Boiling point/Boiling range: Not applicable

- **Flash point:** Not determined

- **Ignition temperature:** Not determined

- **Self ignition temperature:** Product is not self-igniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Density:** Not determined

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- | | |
|--|---|
| · Solubility in / Miscibility with Water: | Soluble |
| · 9.2 Other information | No further relevant information available |
-

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available
 - **10.2 Chemical stability**
 - **Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications
 - **10.3 Possibility of hazardous reactions**
Exothermic reactions upon contact with acids
Reacts with metals forming hydrogen.
 - **10.4 Conditions to avoid** Protect from humidity and water.
 - **10.5 Incompatible materials:**
Acids
Alkaline-earth metals
Heavy metal salts
Aluminium
Organic nitro compounds
Zinc
Light metals
 - **10.6 Hazardous decomposition products:**
No hazardous decomposition products if instructions for storage and handling are followed
 - **Additional information:** Corrosive to metals
-

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values that are relevant for classification:**
ATE oral: >5000 mg/kg
- **68411-30-3 Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts**
Oral LD₅₀ 1080 mg/kg (rat) (OECD 401)
concentration of CAS 68411-30-3: 100%
Dermal LD₅₀ > 2000 mg/kg (rat) (OECD 402)
- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes severe skin burns and eye damage.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:** Swallowing may lead to a strong caustic effect on mouth, throat and stomach.
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity**
- **68411-30-3 Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts**
Oral NOAEL 300 mg/kg bw/day (mouse)
NOAEL (F1) 350 mg/kg bw/day (rat)
NOAEL (F2) 350 mg/kg bw/day (rat)
NOAEL (P) 350 mg/kg bw/day (rat)
Based on available data, the classification criteria are not met.

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- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure**

68411-30-3 Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Oral LOAEL 145 mg/kg bw/d (rat)

NOAEL 125 mg/kg/day (rat)
28dLOAEL 115 mg/kg -bw/day (rat)
28d

Based on available data, the classification criteria are not met.

- **Aspiration hazard** Based on available data, the classification criteria are not met.
-

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

68411-30-3 Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts
EC₅₀/48h (static) 2.9 mg/l (Daphnia magna) (OECD 202)
OECD 202EC₅₀/72h > 10-100 mg/l (Scenedesmus subspicatus)
OECD 201LC₅₀/96h > 1-10 mg/l (Cyprinus carpio)
OECD 203

1.67 mg/l (Lepomis macrochirus) (US EPA)

NOEC/28 d 1 mg/l (Lepomis macrochirus) (OECD 204)

- **12.2 Persistence and degradability** The biological degradation of the surfactants complies with the requirements of EC 648/2004.

- **Other information:** The surfactants used in this product are biodegradable.

- **12.3 Bioaccumulative potential** No further relevant information available

- **12.4 Mobility in soil** No further relevant information available

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous to water

According to appendix 4 of VwVwS dated 17.05.1999 (German regulation)

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Danger to drinking water is possible if large quantities leak into the ground or into water course.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable

- **vPvB:** Not applicable

- **12.6 Other adverse effects** No further relevant information available
-

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation:**

Must be recycled or disposed of according to the regulations. Waste has to be classified according to the European Waste Catalogue based on the identification of the waste generating source.

Disposal according to instructions of local authorities

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue:**

20 00 00 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS

20 03 00 other municipal wastes

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20 03 99 municipal wastes not otherwise specified

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

<ul style="list-style-type: none"> · 14.1 UN-Number · ADR, IMDG, IATA 	UN3262
<ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR · IMDG, IATA 	3262 CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.
<ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR  <ul style="list-style-type: none"> · Class · Label 	8 (C6) Corrosive substances 8
<ul style="list-style-type: none"> · IMDG, IATA  <ul style="list-style-type: none"> · Class · Label 	8 Corrosive substances 8
<ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA 	III
<ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: 	No
<ul style="list-style-type: none"> · 14.6 Special precautions for user · Danger code (Kemler): · EMS Number: · Segregation groups: · Stowage Category · Segregation Code 	Warning: Corrosive substances 80 F-A,S-B Alkalis A SG35 Stow "separated from" acids.
<ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code 	Not applicable
<ul style="list-style-type: none"> · Transport/Additional information: 	
<ul style="list-style-type: none"> · ADR · Limited quantities (LQ): · Excepted quantities (EQ) · Transport category: · Tunnel restriction code: 	5 kg Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g 3 E

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<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) 	1 kg Code: E2 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 500 g
<ul style="list-style-type: none"> · IATA · Remarks: 	Packing Instructions: For Limited Quantities: Y 844 5 kg max. net/Pkg Passenger and cargo aircraft: 859 15 kg max. net/Pkg Cargo aircraft only: 863 50 kg max. net/Pkg
<ul style="list-style-type: none"> · UN "Model Regulation": 	UN 3262 CORROSIVE SOLID, BASIC, INORGANIC, N.O.S., 8, III

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations**
- **Information about limitation of use:** Take note of Directive 94/33/EC on the protection of young people at work.
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Reasons for amendments:**
 - Change of trade name
 - Change of address
 - **Replaces version dated:** 18.11.2015
 - **Relevant phrases**
 - 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.
 - **Department issuing SDS:**
 - KFT Chemieservice GmbH
 - Im Leuschnerpark. 3 64347 Griesheim
 - Postfach 1451 64345 Griesheim
 - Germany
- Phone: +49 6155 8981 400 Fax: +49 6155 8981 500
 Safety Data Sheet Service: +49 6155 8981 522
- **Contact:** Dr. Sonja Fischer
 - **Abbreviations and acronyms:**
 - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

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RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

SVHC: Substances of Very High Concern

Met. Corr. 1: Corrosive to metals – Category 1

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

- **Sources:** MSDSs of the suppliers

- *** Data compared to the previous version altered.**

Changes have been made to sections marked with a *, as compared to the previous version.