



a&n&a GmbH & Co. KG, Benzstr. 12, 35799 Merenberg  
56412 Holler

Date printed 17.10.2023, Revision 20.09.2022

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

### 1.1 Product identifier

**Bioboy Putzstein**

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1 Relevant uses

Universal cleaner

#### 1.2.2 Uses advised against

None known.

### 1.3 Details of the supplier of the safety data sheet

#### Company

a&n&a GmbH & Co. KG, Benzstr. 12, 35799 Merenberg  
Geschäftsräume  
Lindenstraße 1  
56412 Holler / GERMANY  
Phone +49 (0)2602-1558-0  
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Homepage [www.ana-aqualine.de](http://www.ana-aqualine.de)  
E-mail [info@bioboy.de](mailto:info@bioboy.de)

#### Address enquiries to

#### Technical information

[info@bioboy.de](mailto:info@bioboy.de)

#### Safety Data Sheet

[sdb@chemiebuero.de](mailto:sdb@chemiebuero.de) (No dispatch of safety data sheets)

Safety data sheets are available from the supplier.

### 1.4 Emergency telephone number

#### Advisory body

+49 (0)89-19240 (24h) (English)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture [REGULATION (GB) CLP]

No classification.

### 2.2 Label elements

#### Hazard pictograms

none

#### Signal word

none

#### Hazard statements

none

#### Precautionary statements

none

#### Special labelling

EUH210 Safety data sheet available on request.

#### Cleaner, 648/2004/CE, contains:

5 - <15% soap  
perfumes

### 2.3 Other hazards

#### Human health dangers

Frequent persistent contact with the skin can cause skin irritation.  
If swallowed or in the event of vomiting, risk of product entering the lungs.

#### Environmental hazards

Does not contain any PBT or vPvB substances.

#### Other hazards

Further hazards were not determined with the current level of knowledge.

## SECTION 3: Composition / Information on ingredients

### 3.1 Substances

not applicable



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### 3.2 Mixtures

The product is a mixture.

Range [%]	Substance
1 - < 5	Potassium carbonate
	CAS: 584-08-7, EINECS/ELINCS: 209-529-3, Reg-No.: 01-2119532646-36-XXXX
	GHS/CLP: Skin Irrit. 2: H315 - Eye Irrit. 2: H319 - STOT SE 3: H335

Comment on component parts

For full text of H-statements: see SECTION 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Take off contaminated clothing and wash before reuse.

#### Inhalation

Ensure supply of fresh air.  
In the event of symptoms seek medical treatment.

#### Skin contact

When in contact with the skin, clean with soap and water.  
Consult a doctor if skin irritation persists.

#### Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

#### Ingestion

Rinse out mouth and give plenty of water to drink.  
Do not induce vomiting.  
Get medical advice.

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

Irritant effects

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Carbon dioxide.  
Water spray jet.  
Dry powder.  
Foam.

#### Extinguishing media that must not be used

Full water jet.

### 5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.

### 5.3 Advice for firefighters

Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

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

High risk of slipping due to leakage/spillage of product.  
Forms slippery surfaces with water.

### 6.2 Environmental precautions

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



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### 6.3 Methods and material for containment and cleaning up

Take up mechanically.

Dispose of absorbed material in accordance within the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

The normal safety precautions for handling chemicals must be observed.

Wash hands before breaks and after work.

Use barrier skin cream.

Do not eat, drink, smoke or take drugs at work.

### 7.2 Conditions for safe storage, including any incompatibilities

Prevent penetration into the ground.

Do not store together with food and animal food/diet.

Keep container tightly closed.

Store in a dry place.

Protect from heat/overheating.

### 7.3 Specific end use(s)

See product use, SECTION 1.2

## SECTION 8: Exposure controls / personal protection

### 8.1 Control parameters

#### Ingredients with occupational exposure limits to be monitored (GB)

Substance
Aluminium oxide
CAS: 1344-28-1, EINECS/ELINCS: 215-691-6, Reg-No.: 01-2119529248-35-0036
Long-term exposure: 10 mg/m <sup>3</sup> , inhalable dust (respirable dust: 4 mg/m <sup>3</sup> )

#### Ingredients with occupational exposure limits to be monitored EU (2004/37/EG)

not relevant

#### DNEL

Substance
Potassium carbonate, CAS: 584-08-7
Industrial, inhalative, Long-term - local effects, 10 mg/m <sup>3</sup>

#### PNEC

Substance
Potassium carbonate, CAS: 584-08-7
There are no PNEC values established for the substance.



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## 8.2 Exposure controls

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
<b>Eye protection</b>	safety glasses (EN 166:2001)
<b>Hand protection</b>	0.4 mm; butyl rubber, > 120 min (EN 374)
<b>Skin protection</b>	Protective clothing (EN 340)
<b>Other</b>	Avoid contact with eyes and skin.
<b>Respiratory protection</b>	Not required under normal conditions.
<b>Thermal hazards</b>	none
<b>Delimitation and monitoring of the environmental exposition</b>	Protect the environment by applying appropriate control measures to prevent or limit emissions.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	pasty solid
<b>Form</b>	pasty
<b>Color</b>	white
<b>Odor</b>	characteristic
<b>Odour threshold</b>	not applicable
<b>pH-value</b>	11 - 11.4
<b>pH-value [1%]</b>	7.5
<b>Boiling point [°C]</b>	not determined
<b>Flash point [°C]</b>	not applicable
<b>Flammability</b>	not applicable
<b>Lower explosion limit</b>	not applicable
<b>Upper explosion limit</b>	not applicable
<b>Oxidising properties</b>	no
<b>Vapour pressure/gas pressure [kPa]</b>	not relevant
<b>Density [g/cm³]</b>	ca. 1.57
<b>Relative density</b>	not determined
<b>Bulk density [kg/m³]</b>	not applicable
<b>Solubility in water</b>	partially soluble
<b>Solubility other solvents</b>	No information available.
<b>Partition coefficient [n-octanol/water]</b>	not determined
<b>Kinematic viscosity</b>	not applicable
<b>Relative vapour density</b>	not applicable
<b>Evaporation speed</b>	not applicable
<b>Melting point [°C]</b>	not determined
<b>Auto-ignition temperature [°C]</b>	not applicable
<b>Decomposition temperature [°C]</b>	not determined
<b>Particle characteristics</b>	not relevant

### 9.2 Other information

none



## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reactions known if used as directed.

### 10.2 Chemical stability

The product is stable under standard conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known.

### 10.4 Conditions to avoid

See SECTION 7.2.

### 10.5 Incompatible materials

not relevant

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.


**SECTION 11: Toxicological information**
**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
**Acute oral toxicity**

Substance
Potassium carbonate, CAS: 584-08-7
LD50, oral, Rat, > 2000 mg/kg

**Acute dermal toxicity**

Substance
Potassium carbonate, CAS: 584-08-7
LD50, dermal, Rat, > 2000 mg/kg

**Acute inhalational toxicity**

Substance
Potassium carbonate, CAS: 584-08-7
LC50, inhalativ (dust), Rat, > 4.96 mg/L (4.5 h)

**Serious eye damage/irritation**

Based on the available information, the classification criteria are not fulfilled.

Substance
Potassium carbonate, CAS: 584-08-7
Eye, irritant

**Skin corrosion/irritation**

Based on the available information, the classification criteria are not fulfilled.

Substance
Potassium carbonate, CAS: 584-08-7
dermal, irritant

**Respiratory or skin sensitisation**

Based on the available information, the classification criteria are not fulfilled.

Substance
Potassium carbonate, CAS: 584-08-7
dermal, non-sensitizing

**Specific target organ toxicity —  
single exposure**

Based on the available information, the classification criteria are not fulfilled.

Substance
Potassium carbonate, CAS: 584-08-7
inhalative, irritant

**Specific target organ toxicity —  
repeated exposure**

Based on the available information, the classification criteria are not fulfilled.

**Mutagenicity**

Based on the available information, the classification criteria are not fulfilled.

Substance
Potassium carbonate, CAS: 584-08-7
in vitro, negativ

**Reproduction toxicity**

Based on the available information, the classification criteria are not fulfilled.

**Carcinogenicity**

Based on the available information, the classification criteria are not fulfilled.

**Aspiration hazard**

Based on the available information, the classification criteria are not fulfilled.

**General remarks**

Toxicological data of complete product are not available.

**11.2 Information on other hazards****11.2.1 Endocrine disrupting properties**

Contains no ingredients with endocrine-disrupting properties.

**11.2.2 Other information****SECTION 12: Ecological information****12.1 Toxicity**

Substance
Potassium carbonate, CAS: 584-08-7
LC50, (96h), <i>Oncorhynchus mykiss</i> , 68 mg/L
EC50, (48h), <i>Daphnia pulex</i> , 200 mg/L

**12.2 Persistence and degradability****Behaviour in environment compartments**

No information available.

**Behaviour in sewage plant**

No information available.

**Biological degradability**

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**12.3 Bioaccumulative potential**

Accumulation in organisms is not expected.

**12.4 Mobility in soil**

Spillages may penetrate the soil causing ground water contamination.

**12.5 Results of PBT and vPvB assessment**

Based on all available information not to be classified as PBT or vPvB respectively.

**12.6 Endocrine disrupting properties**

Contains no ingredients with endocrine-disrupting properties.

**12.7 Other adverse effects**

None known.



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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

##### Product

Coordinate disposal with the authorities if necessary.

##### Waste no. (recommended)

200130 detergents other than those mentioned in 20 01 29

##### Contaminated packaging

Packaging that cannot be cleaned should be disposed of as for product.  
Uncontaminated packaging may be taken for recycling.

##### Waste no. (recommended)

150102

### SECTION 14: Transport information

#### 14.1 UN number or ID number

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

#### 14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

#### 14.3 Transport hazard class(es)

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable





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#### 14.4 Packing group

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

#### 14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

#### 14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

#### 14.7 Maritime transport in bulk according to IMO instruments

not applicable

### SECTION 15: Regulatory information

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

**EEC-REGULATIONS** 2008/98/EC 2000/532/EC; 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014; (EU) 2019/1148

- **Comment on component parts** Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.

- **Annex I (REACH)** The product is not subject to Annex I restrictions.

- **Annex XIV (REACH)** According to Annex XIV of Regulation (EC) 1907/2006 (REACH) the product does not contain any substances  $\geq 0.1\%$  that are subject to authorisation.

- **Annex XVII (REACH)** According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product contains  $\geq 0.1\%$  of substances with the following restrictions. 75

According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is not subject to any restrictions.

**TRANSPORT-REGULATIONS** ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2023)

**NATIONAL REGULATIONS (GB):** EH40/2005 Workplace exposure limits (Second edition, published December 2011); UK REACH; GB CLP.

- **Observe employment restrictions for people** no

- **VOC (2010/75/CE)** 0%

#### 15.2 Chemical safety assessment

not applicable



## SECTION 16: Other information

### 16.1 Hazard statements (SECTION 3)

H335 May cause respiratory irritation.

H319 Causes serious eye irritation.

H315 Causes skin irritation.

### 16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route

RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses

ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

ATE = acute toxicity estimate

CAS = Chemical Abstracts Service

CLP = Classification, Labelling and Packaging

DMEL = Derived Minimum Effect Level

DNEL = Derived No Effect Level

EC50 = Median effective concentration

ECB = European Chemicals Bureau

EEC = European Economic Community

EINECS = European Inventory of Existing Commercial Chemical Substances

EL50 = Median effective loading

ELINCS = European List of Notified Chemical Substances

EmS = Emergency Schedules

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk

IC50 = Inhibition concentration, 50%

IMDG = International Maritime Code for Dangerous Goods

IUCLID = International Uniform Chemical Information Database

IVIS = In vitro irritation score

LC50 = Lethal concentration, 50%

LD50 = Median lethal dose

LC0 = lethal concentration, 0%

LOAEL = lowest-observed-adverse-effect level

LL50 = Median lethal loading

LQ = Limited Quantities

MARPOL = International Convention for the Prevention of Marine Pollution from Ships

NOAEL = No Observed Adverse Effect Level

NOEC = No Observed Effect Concentration

PBT = Persistent, Bioaccumulative and Toxic substance

PNEC = Predicted No-Effect Concentration

REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals

STP = Sewage Treatment Plant

TLV@TWA = Threshold limit value – time-weighted average

TLV@STEL = Threshold limit value – short-time exposure limit

VOC = Volatile Organic Compounds

vPvB = very Persistent and very Bioaccumulative

### 16.3 Other information

#### Classification procedure

#### Modified position

none

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