



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

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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
Fax +49 (0)2602-18718
Homepage www.bioboy.de
E-mail info@bioboy.de

Address enquiries to

Technical information

info@bioboy.de

Safety Data Sheet

sdb@chemiebuero.de

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

Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
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 ³ , inhalable dust (respirable dust: 4 mg/m ³) |

DNEL

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

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

| | |
|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Additional advice on system design | 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. |
| Eye protection | safety glasses (EN 166:2001) |
| Hand protection | 0.4 mm; butyl rubber, > 120 min (EN 374) |
| Skin protection | Protective clothing (EN 340) |
| Other | Avoid contact with eyes and skin. |
| Respiratory protection | Not required under normal conditions. |
| Thermal hazards | none |
| Delimitation and monitoring of the environmental exposition | 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

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

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 applicable

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.



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General remarks

Toxicological data of complete product are not available.

11.2 Information on other hazards

Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

Other information

SECTION 12: Ecological information

12.1 Toxicity

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



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

TRANSPORT-REGULATIONS ADR (2021); IMDG-Code (2021, 40. Amdt.); IATA-DGR (2022)

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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