

Safety Data Sheet

According to 1907/2006/EG, Article 31



1. identification of the substance or mixture and of the company/undertaking

Article name: ViBaFree disinfectant 660-5000
Relevant identified uses of the substance or mixture and Uses, of which is not recommended: No further relevant information available
Intended use: disinfectant
Manufacturer: PRISMAN GmbH
Otto cock ring 6-18
64653 Lorsch/Germany
Information/emergency number: Tel: + 49-7733-977 62 40
(Mon - Th 8:00 - 16:30, Fri 8:00 - 15:00)

2. Hazards identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
Aquatic Chronic 3 H412 Harmful to aquatic organisms, with long-term effect.

Labelling elements

Labelling according to Regulation (EC) No. 1272/2008
The product is classified and labelled according to the CLP regulation
Hazard pictograms not applicable
Signal word not applicable
Hazard statements H412 Harmful to aquatic organisms, with long-term effect
Safety Instructions P273 Avoid release into the environment.
P501 Dispose of contents/container according to local/regional/national/international regulations










OtherDangers

Results of the PBT and VPvB assessment

PBT: Not applicable
vPvB: Not applicable

3. Composition/ information on ingredients

Chem. characterization: Mixtures
Description: Mixture of the following substances with harmless admixtures.
Hazardous ingredients:

| | | | |
|---|---------------------|---|---|
| CAS: 68391-01-5 | C18 | alkyl benzyl dimethyl ammonium chloride | ≤2,5% |
|  | Skin Corr.1B. H314; |  | Aquatic Acute 1, H400;Aquatic Chronic 1, H410 |
|  | Acute Tox 4,H302 | | |
| CAS: 85409-23-0 | | Quaternäre Ammoniumverbindungen,C12-14 Alkylmethylchlorid | ≤2,5% |
|  | Skin Corr.1B. H314; |  | Aquatic Acute 1, H400;Aquatic Chronic 1, H410 |
|  | Acute Tox 4,H302 | | |
| CAS: 18472-51-0 | | Chlorhexidinedigluconate | ≤2,5% |
|  | Eye Dam.1, H318; |  | Aquatic Acute 1, H400;Aquatic Chronic 1, H410 |
|  | Acute Tox 4,H302 | | |

4. First aid measures

Description of first aid measures

General notes:

After inhalation:

After skin contact:

After eye contact:

After swallowing:

Information for the doctor:

Most important acute and delayed symptoms and effects:

Information on immediate medical attention or special treatment:

No special measures required

Supply fresh air, consult a doctor if symptoms occur.

In general, the product is not irritating to the skin.

Rinse opened eye for several minutes with running water.

Consult a doctor if symptoms persist.

Consult a doctor if symptoms persist.

No further relevant information available.

No further relevant information available.

5. Firefighting measures

Suitable extinguishing media:

Special hazards arising from the

substance or mixture:

Instructions for fire fighting

Special protective equipment:

Adapt fire extinguishing measures to the environment

No further relevant information available

No special measures required

6. Accidental release measures

Personal precautions, protective equipment and in emergency situations procedures to be applied:

Environmental protection measures:

Methods and material for

Retention and cleaning:

Reference to other sections

Not required

Do not discharge into drains/surface water/groundwater.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

No hazardous substances are released

See Section 7 for information on safe handling.

For information on personal protective equipment, see Section 8.

For information on disposal, see Section 13.

7. Handling and Storage

handling:

Protective measures for safe handling:

Information on fire and explosion protection:

Requirements for storage rooms and

containers:

Hints for storing together:

Further information

Storage class LGK 12

Specific end use

No special measures required

No special measures required

Store only in original container

Not required

None

No other relevant information available

8. Exposure controls/ personal protection

Additional information on the design of technical systems:

Parameters to be monitored

Components with limit values that require monitoring at the workplace:

Additional notes

Limitation and monitoring of exposure

General protective measures:

Respiratory protection:

Hand protection:

No further details, see Section 7.

The product does not contain relevant quantities of substances with limit values that require monitoring at the workplace

The lists valid during the creation were used as a basis

The usual precautionary measures for handling chemicals must be observed

Not required.

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

| | |
|---|---|
| Glove material | of the glove material considering breakthrough times, permeation rates and degradations The selection of a suitable glove material depends not only on the material but also on further quality characteristics and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use. |
| Penetration time of the Glove material | The exact breakthrough time is to be obtained from the protective glove manufacturer and observed. |
| For permanent contact in areas of application without increased risk of injury (e.g. laboratory) are gloves from the following Material suitable: rubber gloves | |
| For the permanent contact gloves made of the following materials suitable: | Neoprene gloves |
| For the permanent contact of maximum 15 minutes gloves made of the following materials: | Nitrile rubber Natural rubber (latex) |
| Eye protection: | Safety glasses recommended when decanting |

9. Physical and chemical properties

Information on basic physical and chemical properties

General information

appearance:

| | |
|------------------|----------------|
| Shape: | Liquid |
| Color: | Clear |
| Odour: | Pleasant |
| Odour threshold | Not determined |
| pH value at 20°C | 7.2 |

Change of state

| | |
|----------------------------|-----------------------------------|
| Melting/freezing point: | Not determined. |
| Boiling point/range: | 100 °C |
| Flash point: | ≥100°C |
| Flammability: | Not applicable |
| Ignition temperature | |
| Decomposition temperature | Not determined |
| Auto ignition temperature: | The product is not self-igniting. |
| Explosive properties: | The product is not explosive |

Explosion limits:

| | |
|--------------------------|-----------------------------|
| Lower: | not applicable |
| Upper: | Not determinable/applicable |
| Vapor pressure at 20 °C: | 23 hPa |
| density at 20 °C: | 1 g/cm ³ |
| Relative density | Not determined. |

Vapour density

Evaporation rate

Solubility in / Miscibility

Distribution coefficient

n-octanol/water

Viscosity

| | |
|-----------|----------------|
| Dynamic | Not determined |
| Kinematic | Not determined |

Solvent content:

| | |
|---------------|----------|
| Water: | 98,8% of |
| Solid content | 99.3%. |

Other information

No other relevant information available.

10. Stability and reactivity

Reactivity

Chemical stability

Thermal decomposition / conditions to be avoided:

Possibility of dangerous reactions:

Conditions to be avoided:

No other relevant information available

No decomposition if used as intended.

No dangerous reactions known.

No further relevant information available.

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Incompatible materials: No further relevant information available.
Dangerous decomposition products: No hazardous decomposition products known

11. Toxicological information

Information on toxicological effects
Acute toxicity: Based on the available data, the classification criteria are not met

Classification relevant LD/LC50 values:
CAS 68391-01-5C12-C18 alkyl benzyl dimethyl ammonium chloride
Oral/LD50/500mg/kg (ATE) Quaternary ammonium compounds, C12-14
85409-23-0 alkylmethyl dimethyl-Chlorides

Oral/LD50/500mg/kg (ATE)

Primary irritant effect:
Corrosivity/irritant effect on the skin Based on the available data, the classification criteria are not met

Severe eye damage/irritation Based on the available data, the classification criteria are not met

Sensitization of the respiratory tract/
Skin Based on the available data, the classification criteria are not met

CMR effects (carcinogenic, mutagenic and reproductive toxicity)
Germ cell mutagenicity Based on the available data, the classification criteria are not met

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

Toxicity to reproduction Based on the available data, the classification criteria are not met

Specific target organ toxicity for single exposure Based on the available data, the classification criteria are not met

Specific target organ toxicity for repeated exposure Based on the available data, the classification criteria are not met

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

12. Ecological information

Toxicity:
Aquatic toxicity No further relevant information available
Persistence and degradability: No further relevant information available
Bioaccumulative potential: No further relevant information available
Mobility in soil: No further relevant information available.
Further ecological information
General
Water hazard class 1 (Self-assessment): slightly hazardous to water Do not allow undiluted product or large quantities to reach ground water, water bodies or sewage system

Results of the PBT and vPvB
Evaluation:
PBT Not applicable
vPvB Not applicable
Other harmful effects: No information available.

13. Disposal considerations

Waste treatment processes
Recommendation: Small quantities can be diluted with plenty of water and rinsed away. Larger quantities must be disposed of in accordance with local official regulations. Smaller quantities can be disposed of together with household waste.

European Waste Catalogue
07 00 00 wastes from organic chemical processes

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| | |
|---------------------------------------|---|
| 07 04 00 | wastes from the MFSU of organic pesticides (except 02 01 08 and 02 01 09) wood preservatives (except 03 02) and other biocides |
| 07 04 99 Uncleaned packaging | wastes not otherwise specified Recommendation Contaminated packaging must be emptied optimally, and can then be recycled after appropriate cleaning. |
| 200139 Recommended cleaning agent: | water, with the addition of cleaning agents if necessary |

14. Transport information

| | |
|--|---|
| UN number ADR,ADN,IMDG,IATA | not applicable |
| Proper UN shipping name ADR,ADN,IMDG,IATA | not applicable |
| Transport hazard classes ADR,ADN,IMDG,IATA | not applicable |
| Class Packaging group ADR,IMDG,IATA | not applicable |
| Environmental hazards: Navy bollard: | No |
| Bulk cargo transportation according to Annex II of the MARPOL Convention And according to IBC Code | Not applicable |
| Transport/other information: ADR | No dangerous goods according to above regulations |
| Limited quantity (LQ) | - |
| Transport category | - |
| UN "Model Regulation": | not applicable |

15. Regulatory information

| | |
|---|--|
| Labelling according to regulation (EC) No. 1272/2008 Directive 2012/18/EU | GHS labelling elements |
| Named dangerous Substances ANNEX I REGULATION (EC) No. 1907/2006 ANNEX VII | None of the ingredients are contained |
| National regulations: Major Accidents Ordinance: | Restrictions: 3 The quantity thresholds according to the Major Accidents Ordinance must be observed |
| Water hazard class: WGK1 (Self-assessment): | slightly hazardous to water |

16. Other information

The information is based on the current state of our knowledge, however, it does not constitute a guarantee of product properties and does not establish a contractual legal relationship.

Relevant sentences
H302 Harmful if swallowed
H314 Causes severe skin burns and severe eye damage
H318 Causes severe eye damage
H400 Very toxic to aquatic organisms

Abkürzungen und Akronyme:

| | |
|----------|---|
| RID: | Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Ordnung für die internationale Eisenbahnbeförderung gefährlicher Güter) |
| IATADGR: | Gefahrgutvorschriften der "International Air Transport Association" (IATA) |
| ICAO: | Internationale Zivilluftfahrt-Organisation |
| ICAOTI: | Technische Anweisungen der "Internationalen Zivilluftfahrt-Organisation" (ICAO) |

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| | |
|----------------------|--|
| ADR: | Accord européen sur le transport des marchandises dangereuses par route (Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Straße) |
| IMDG: | Internationaler Seeschiffahrtscode für gefährliche Güter |
| IATA: | Internationaler Luftverkehrsverband |
| GHS: | Global harmonisiertes System zur Einstufung und Kennzeichnung von Chemikalien |
| EINECS: | Europäisches Verzeichnis der auf dem Markt vorhandenen chemischen Stoffe |
| ELINCS: | Europäische Liste angemeldeter chemischer Stoffe (European List of Notified Chemical Substances) |
| CAS: | Chemical Abstracts Service (Abteilung der American Chemical Society) |
| LC50: | Letale Konzentration, 50 Prozent |
| LD50: | Letale Dosis, 50 Prozent |
| PBT: | Persistent, bioakkumulierbar und toxisch |
| vPvB: | sehr persistent und sehr bioakkumulierbar |
| Akute Tox | |
| Akute Toxizität | Kategorie 4 |
| Skin Corr. 1B: | Hautreizende/-ätzende Wirkung Kategorie 1B |
| Augenkrankheit. 1: | Schwere Augenschädigung/Augenreizung-Kategorie 1 |
| Aquatisch Akut 1: | Gewässergefährdend-akut gewässergefährdend-Kategorie 1 |
| Aquatisch Chronic 1: | Gewässergefährdend-langfristig gewässergefährdend-Kategorie 1 |
| Aquatisch Chronic 3: | Gewässergefährdend-langfristig gewässergefährdend-Kategorie 3 |