

SECTION 1: Identification of the substance or mixture and of the company

1.1 Product identifier

Trade name: **BakuVir**

1.2 Relevant identified uses of the substance or mixture, and non-recommended uses

Use of the substance or mixture as

a disinfectant:

Bactericide, sporicide, fungicide, yeasticide, virucide

- **Bacteria according to EN 1656, EN 13727+A2 and EN 13623,**
- **tested in accordance with VAH:**
- **viruses according to EN 14476 + German Guideline;**
- **spores according to VLB method; fungi according to EN 13697 and EN 1650;**
- **hand disinfection according to EN 1499 and EN 1500;**
- **Dermatest® test result "VERY GOOD"**

Listed according to ECHA product type

PT1 Human hygiene

PT2 Disinfectants and algaecides

PT3 Veterinary hygiene

PT4 Disinfection in food and feed areas

PT5 Disinfection of drinking water

Pharmaceutical registration number: 5329182

BAUA number: N-106873

Non-recommended uses:

No mixtures with other substances (except water, which is allowed)

- Especially not with alcohol, ammonia and substances containing vinegar

1.3 Details of the supplier who prepared the safety data sheet

Manufacturer/supplier:



TGGroup GmbH
Stettnerstraße 2
5301 Eugendorf
info@tggroup.at
T: +43 660 7420900

Poison Information Centre, Vienna:

Gesundheit Österreich GmbH Stubenring 6
1010 Vienna, Austria
Tel: +43 1 406 43 43 (can be reached 24hrs a day)

Posion Information Centre, Germany
Giftinformationszentrum Erfurt
Tel: +49 361 730 730

Posion Information Centre, Switzerland
Schweizer Eidgenossenschaft
Confederation Suisse:
Tel. +41 (0)31 322 73 05 oder
Posion Emergency Number: 145

SECTION 2: Potential hazards

2.1 Classification of the substance or mixture

Classification under Regulation (EC) No 1272/2008
The product is not classified under the CLP Regulation.

Classification according to Directive (EC) No. 1272/2008 or 67/548/EEC or 1999/45/EC (substances or mixtures): This product is not classified as a hazardous substance under EC directives.

Classification (1272/2008 EC):

Aqueous solutions with less than 2.5% free chlorine are not classified. Classification (1999/45/EC):
Aqueous solutions with less than 5% free chlorine are not classified.

2.2 Labelling elements

Labelling according to Regulation (EC) No. 1272/2008: not applicable

Hazard pictograms: not applicable

Signal word: not applicable

Hazard warnings: not applicable

Safety information

P101 If medical advice is needed, have product container or label to hand.

P102 Keep out of reach of children.

Additional comments:

Contains biocidal products: active chlorine HOCl generated from sodium chloride by electrolysis

2.3 Other hazards

Results of PBT and vPvB Assessment

PBT: not applicable.

vPvB: not applicable.

SECTION 3: Composition/information on ingredients

Aqueous solution.

Contains max. 0.5 g/l active chlorine generated from sodium chloride by electrolysis.

ECHA asset no.: EU-0017271-0000

Substance name: water			
EC no.: 231-791-2	CAS no.: 7732-18-5	Index no.:	REACH registration
no.: Percentage:	99.66%		
Classification under Regulation (EC) No 1272/2008:none			

Substance name: sodium chloride			
EC no.: 231-598-3	CAS no.: 7647-14-5	Index no.:	REACH registration no.:
Percentage:	0.26%		
Classification under Regulation (EC) No 1272/2008:none			

Substance name: hypochlorous acid			
EC no.: 232-232-5	CAS no.: 7790-92-3	Index no.:	REACH registration
no.: Percentage:	0.05%		
Classification under Regulation (EC) No 1272/2008:none			

Hazardous ingredients: not applicable

Additional information:

The wording of the listed hazard warnings is provided in Section 16.

SECTION 4: First-aid measures

4.1 Description of the first-aid measures

General information:

If symptoms onset or in case of doubt, seek medical advice.

If person is unconscious, place them in the recovery position and do not administer anything by mouth.

After inhalation: Introduce fresh air and consult a doctor in the event of symptoms

After contact with skin:

In general, the product is not a skin irritant.

Rinse skin with water.

Remove contaminated clothing and wash before wearing again.

In the event of symptoms, provide medical treatment.

After contact with eyes:

Rinse eyes immediately with running water for several minutes with eyelid held wide open.

Where possible, remove contact lenses if applicable. Continue rinsing.

In the event of symptoms, provide medical treatment.

After swallowing:

Rinse mouth immediately and then drink plenty of water.

Consult a doctor if symptoms persist.

4.2 Most important acute and delayed symptoms and effects

No further relevant information available.

4.3 Indications for immediate medical attention or special treatment

Depending on the patient's condition, their symptoms and general condition should be assessed by a doctor.

SECTION 5: Firefighting measures

Suitable extinguishing media

Use extinguishing measures that are appropriate to the surrounding environment.
Unsuitable extinguishing agents due to safety reasons: water with a full jet

5.2 Special hazards arising from the substance or mixture

Not flammable.

5.3 Information on special firefighting protective equipment:

Wear self-contained breathing apparatus.
Wear a full protective suit.

SECTION 6: Measures in the event of accidental release

6.1. Personal precautions, protective equipment and emergency procedures

Limit access to the affected area until cleaning is complete.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.
Avoid contact with eyes and skin.
Do not breathe in vapour/aerosol.

6.2 Environmental precautions:

Do not allow large quantities to enter into the sewer system/surface water/ground water.

6.3 Methods and materials for containment and cleaning:

Soak up with an absorbent material (sand, diatomaceous earth, acid binders, universal binders, sawdust).
Dispose of the soaked-up material in line with regulations.

6.4 References to other sections

For information on safe handling, see Section 7.
For information on personal protective equipment, see Section 8.
For information on disposal, see Section 13.

SECTION 7: Handling and storage

Keep containers tightly sealed.
Follow legal protection and safety regulations.
Information about fire and explosion protection: no special measures required.

7.2 Conditions for safe storage, taking into account any incompatibilities

Storage:

Requirements placed on storerooms and containers:
Store in a dry, cool, well-ventilated and protected place.
Protect against frost.
Store in accordance with local/regional/national/international regulations.
Information on storage with other products: not required.
Further information on storage conditions:
Store in the original container.
Keep containers tightly sealed.
Store in the dark.

Shelf life: min. 7 months in the unopened original container.

Storage class: 12

VbF class: not applicable

7.3 Specific end uses No further relevant information available.

SECTION 8: Limitation and monitoring of exposure/personal protective equipment

Additional information about the design of technical facilities: no further details, see Section 7.

8.1 Control parameters

Components with limit values that require monitoring at the workplace:

The product contains no relevant quantities of materials with limit values that require monitoring in the workplace.

DNEL values No data available.

PNEC values No data available.

Additional information: The lists that were valid during creation were used as a basis.

8.2 Limiting and monitoring exposure

Personal protective equipment:

General protective and hygienic measures:

Observe standard precautions when handling chemicals.

Wash hands before breaks and at the end of the working day.

Design of bodily protection depends on the concentration and quantity of hazardous substances

Respiratory protection: not required.

Hand protection:

People with sensitive skin should wear protective gloves as a precaution.

EN 374

Material of gloves:

Rubber gloves

The selection of a suitable glove not only depends on the material, but also on other quality characteristics and differs from manufacturer to manufacturer.

The glove material should be selected taking into account the penetration times, rates of permeation and degradation

Penetration time of the glove material

The exact penetration time must be found out from the manufacturer and must be observed.

Eye protection:

Wear protective goggles if there is a risk of splashing.

EN 166

Body protection: protective work clothing

Limiting and monitoring the environmental exposure

Do not allow to enter into the sewer system/surface water/groundwater.

SECTION 9: Physical and chemical properties

Visible appearance:

Form:	Liquid
Colour:	Colourless, clear
Odour:	Like chlorine
Odour threshold:	No information available.
pH value:	5.7 – 6.8
Change of state	
Melting point/freezing point:	0 °C
Initial boiling point and boiling range:	100 °C
Flash point:	Not applicable.
Flammability (solid, gaseous):	Not applicable.
Decomposition temperature:	No information available.
Auto-ignition temperature:	The product is not spontaneously ignitable.
Explosive properties:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	No information available.
Upper:	No information available.
Oxidising properties:	No information available.
Vapour pressure:	Not determined.
Density at 20 °C:	Approx. 1 g/cm ³
Vapour density	No information available.
Evaporation rate	No information available.
Solubility in/miscibility with water:	Fully miscible.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic:	No information available.
Kinematic:	No information available.

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 Does not decompose if stored and handled as intended.
- 10.3 Possibility of hazardous reactions Small amounts of chlorine can be released.
- 10.4 Conditions to be avoided No further relevant information available.
- 10.5 Incompatible materials: acids
- 10.6 Hazardous products of decomposition: chlorine

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

Primary irritant effect:

Skin corrosion/irritation Based on the available data, the classification criteria are not met.

Serious eye damage/irritation

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

Respiratory/skin sensitisation

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

CMR effects (carcinogenicity, mutagenicity 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.

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

Specific target organ toxicity from single exposure

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

Specific target organ toxicity from repeated exposure

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

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

SECTION 12: Environmental information

12.1 Toxicity

Aquatic Toxicity: No further relevant information available.

12.2 Persistence and degradability

The methods for determining the biodegradability are not applicable to inorganic substances/products.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

General information:

Water hazard class 1 (self-classification): slightly hazardous to water

Do not allow undiluted product or large quantities of the product to enter into the ground water, bodies of water or the sewage system.

12.5 Results of the PBT and vPvB assessment

PBT: not applicable.

vPvB: not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Instructions for disposal

13.1 Waste treatment methods

Recommendations:

Must not be disposed of with ordinary domestic waste. Do not allow to enter into the sewage system. Dispose of product residues through authorised companies only and in accordance with local regulations.

Waste code number:

53507 according to ÖNORM S 2100

Disinfectant

European List of Waste

Note: The EWC waste code is based on the waste's origin. This can lead to different classifications.

The final user makes the decision.

16 03 04 Inorganic wastes other than those mentioned in 16 03 03

18 01 07 Chemicals other than those mentioned in 18 01 06

20 01 30 Detergents other than those mentioned in 20 01 29

Uncleaned packaging:

Recommendations:

Packaging must be disposed of in accordance with the Packaging Ordinance.

Packaging that cannot be cleaned must be disposed of in the same way as the substance.

SECTION 14: Transport information

14.1. UN number

ADR/RID/ADN, IMDG, IATA

Not applicable

14.2 UN proper shipping name

ADR/RID/ADN, IMDG, IATA

Not applicable

14.3 Transport hazard class

ADR/RID/ADN, ADN, IMDG, IATA

Class not applicable

14.4 Packaging group

ADR/RID/ADN, IMDG, IATA

Not applicable

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for the user

Not applicable.

14.7 Bulk transport in accordance with Annex II

of the MARPOL Convention and according to the IBC Code

Not applicable.

UN "Model Regulation":

Not applicable

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

Directive 2012/18/EU

Named dangerous substances – ANNEX I None of the ingredients is included.

National regulations:

Classification according to VbF: Not applicable

Water hazard class: WHC 1 (self-classification): slightly hazardous to water.

15.2 Chemical safety assessment: A chemical safety assessment has not been carried out.

SECTION 16: Other information

This information is based on the present state of our knowledge; however, it does not provide any assurance of product properties and does not establish any contractual legal relationships.

This product is not classified as dangerous and does not contain any dangerous ingredients in relevant quantities.

The creation of a safety data sheet in accordance with the REACH Regulation (EC) 1907/2006, as amended, is not required by law.

Department issuing the data sheet:
TGGroup GmbH

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)
IMDG: International Maritime Code for Dangerous Goods
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)
VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the Storage of Combustible Liquids, Austria)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative