

1. Product and company identification

Product identifier

Trade name: Bevi Power alkalisch

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

General use: Cleaning agent

Details of the supplier of the safety data sheet

Company name: BeviClean GmbH

Street/POB-No.: Carl-Benz-Straße 5

Postal Code, city: 56218 Mülheim-Kärlich
Germany

E-mail: info@beviclean.com

Telephone: +49 (0) 2630 / 966 30-0

Telefax: +49 (0) 2630 / 966 30-20

Department responsible for information:

Dirk Bersch, Telephone: +49 (0) 2630 / 966 30-0, info@beviclean.com

Emergency phone number

Dirk Bersch, Telephone: +49 (0) 2630 / 966 30-0

2. Hazards identification

Emergency overview

Appearance: Form: solid, powder

Color: sallow blue

Odor: chlorine odor

Classification: Eye Irritation - Category 2A; Aquatic toxicity - chronic - Category 2;

Hazard symbols:



Signal word:

Warning

Hazard statements:

Causes serious eye irritation.

Toxic to aquatic life with long lasting effects.

Precautionary statements:

Keep out of reach of children.

Do not breathe dusts or mists.

Avoid release to the environment.

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazards not otherwise classified

May be harmful if swallowed.
see section 11: Toxicological information

3. Composition / Information on ingredients

Relevant ingredients:

CAS No.	Designation	Concentration	Classification
CAS 497-19-8	Sodium carbonate	< 20 %	Eye Irritation - Category 2A.
CAS 51580-86-0	Troclosene sodium, dihydrate	< 10 %	Acute Toxicity - oral - Category 4. Eye Irritation - Category 2A. Specific Target Organ Toxicity (Single Exposure) - Category 3. Aquatic toxicity - acute - Category 1 (M-factor = 1). Aquatic toxicity - chronic - Category 1 (M-factor = 1).
CAS 3794-83-0	Phosphonates	< 10 %	Acute Toxicity - oral - Category 4. Eye Irritation - Category 2A.

4. First aid measures

In case of inhalation: Provide fresh air. If breathing becomes irregular or ceases, apply rescue breathing or artificial respiration immediately, where required supply oxygen.

Following skin contact: After contact with skin, wash immediately with plenty of water.
In case of skin irritation, consult a physician.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After swallowing: Rinse mouth with water. Repeatedly drink water. Never give anything by mouth to an unconscious person.
Consult doctor afterwards. Do not induce vomiting.

Most important symptoms/effects, acute and delayed

In case of inhalation: irritant
In case of ingestion: May be harmful if swallowed.
After contact with skin: irritant

Information to physician

Treat symptomatically.
Product reacts alkaline.

5. Fire fighting measures

Flash point/flash point range:

No data available

Auto-ignition temperature: No data available

Suitable extinguishing media:

Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

Specific hazards arising from the chemical

In an aqueous solution products shows alkaline reactions and develops chlorine gas.
Additional information: Do not allow water used to extinguish fire to enter drains, ground or waterways.

6. Accidental release measures

Personal precautions: Provide adequate ventilation. Wear personal protection equipment.
Avoid generation of dust. Do not breathe dust. Avoid contact with the substance.

Environmental precautions: Do not allow to penetrate into soil, waterbodies or drains.

Methods for clean-up: Collect dry and place in appropriate containers for disposal. Subsequent cleaning.
To clean the floor and all object contaminated by this material, use water.

7. Handling and storage

Handling

Advices on safe handling: Provide adequate ventilation.
Whenever possible use closed equipment with this product.
Keep your workplace clean.
Use suitable personal protective equipment to protect skin and eyes.
Avoid generation of dust.
In the case of the formation of dust: Use local exhaust.

Storage

Requirements for storerooms and containers: Keep container tightly closed and dry. Keep in a cool place.

Further details: In an aqueous solution products shows alkaline reactions and develops chlorine gas.
Product is hygroscopic.

8. Exposure controls / personal protection

Exposure guidelines

Additional information: Please observe generally defined limit for dust:
OSHA-TWA: 15 mg/m³ (total dust)
OSHA-TWA: 5 mg/m³ (respirable fraction)

Engineering controls

Dust should be exhausted directly at the point of origin.
See also information in chapter 7, section storage.

Personal protection equipment (PPE)

Eye/face protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.

Skin protection: Protective gloves according to OSHA Standard - 29 CFR: 1910.138
Glove material: Nitrile rubber.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection: When dust and vapors form: Use combination filter type A/P3 according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.

General hygiene considerations:

Wash hands before breaks and after work.
When using do not eat or drink.
Avoid contact with skin and eyes.
Do not breathe dust.
Have eye wash bottle or eye rinse ready at work place.

Environmental exposure controls

Refer to 6.: Section "Environmental precautions".

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Form: solid, powder Color: sallow blue
Odor:	chlorine odor
Odor threshold:	No data available
pH:	at 68 °F, 10 g/L: 10.6
Melting point/freezing point:	> 122 °F
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	No data available
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapor pressure:	at 68 °F: <= 0.1 hPa
Vapor density:	No data available
Density:	No data available
Water solubility:	at 122 °F: 200 - 220 g/L
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Bulk density:	1000 - 1100 kg/m ³

10. Stability and reactivity

Reactivity:	In an aqueous solution products shows alkaline reactions and develops chlorine gas. Product is hygroscopic.
Chemical stability:	Product is stable under normal storage conditions.
Possibility of hazardous reactions:	Contact with acids liberates chlorine.
Conditions to avoid:	No data available
Incompatible materials:	Acids

Hazardous decomposition products:

In case of fire may be liberated: nitrogen oxides (NO_x), hydrogen chloride, Carbon monoxide and carbon dioxide.

Thermal decomposition: No data available

11. Toxicological information

Toxicological tests

Toxicological effects: Acute toxicity (oral): Lack of data.
Acute toxicity (dermal): Lack of data.
Acute toxicity (inhalative): Lack of data.
Skin corrosion/irritation: Lack of data.
Serious eye damage/irritation: Eye Irritation - Category 2A = Causes serious eye irritation.
Sensitisation to the respiratory tract: Lack of data.
Skin sensitisation: Lack of data.
Germ cell mutagenicity/Genotoxicity: Lack of data.
Carcinogenicity: Lack of data.
Reproductive toxicity: Lack of data.
Effects on or via lactation: Lack of data.
Specific target organ toxicity (single exposure): Lack of data.
Specific target organ toxicity (repeated exposure): Lack of data.
Aspiration hazard: Lack of data.

Symptoms

In case of inhalation: irritant
In case of ingestion: May be harmful if swallowed.
After contact with skin: irritant

General remarks

Contact with acids liberates toxic gas.
In an aqueous solution products shows alkaline reactions and develops chlorine gas.

12. Ecological information

Ecotoxicity

Aquatic toxicity: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Information about Troclosene sodium:
Daphnia toxicity:
EC50 Daphnia magna: 0,18 - 0,21 mg/L/48h.
LC50 Daphnia magna: 0,28 mg/L/48h.
Fish toxicity:
LC50 Lepomis macrochirus (bluegill): 0,28 - 0,46 mg/L/96h.
LC50 Salmo gairdneri: 0,13 - 0,22 mg/L/96h.
Source: IUCLID.

Mobility in soil

No data available

Persistence and degradability

Further details: No data available

Additional ecological information

Volatile organic compounds (VOC):

0 % by weight

General information: Do not allow to enter into ground-water, surface water or drains.

13. Disposal considerations

Product

Recommendation: Evidence for disposal must be provided. Dispose of waste according to applicable legislation.
Smaller amounts: Dilute with plenty of water.

Package

Recommendation: Rinse with water. Wrap waste as is appropriate for the type of material.
Single packs can be disposed of together with household waste.

14. Transport information

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:

UN 3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Troclosene sodium, dihydrate)

Transport hazard class(es)

ADR/RID: Class 9, Code: M7

IMDG: Class 9, Subrisk -

IATA-DGR: Class 9



Packing group

ADR/RID, IMDG, IATA-DGR:

III



Environmental hazards

Marine pollutant: yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

USA: Department of Transportation (DOT)

Identification number: UN3077
Proper shipping name: UN 3077,
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
N.O.S. (Troclosene sodium, dihydrate)
Hazard class or Division: 9
Packing Group: III
Labels: 9
Symbols: G
Special provisions: 8, 146, 335, 384, A112, B54, B120, IB8, IP3, N20, N91, T1,
TP33
Packaging – Exceptions: 155
Packaging – Non-bulk: 213
Packaging – Bulk: 240
Quantity limitations – Passenger aircraft / rail: No limit
Quantity limitations – Cargo only: No limit
Vessel stowage – Location: A



Sea transport (IMDG)

UN number: UN 3077
Proper shipping name: UN 3077,
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Troclosene sodium, dihydrate)
Class or division, Subsidiary risk: Class 9, Subrisk -
III
Packing Group: III
EmS: F-A, S-F
Special provisions: 274, 335, 966, 967, 969
Limited quantities: 5 kg
Excepted quantities: E1
Package - Instructions: P002, LP02
Package - Provisions: PP12
IBC - Instructions: IBC08
IBC - Provisions: B3
Tank instructions - IMO: -
Tank instructions - UN: T1, BK2, BK2, BK3
Tank instructions - Provisions: TP33
Stowage and handling: Category A. SW23
Properties and observations: -
Marine pollutant: yes
Segregation group: none

Air transport (IATA)

UN/ID number: UN 3077
Proper shipping name: UN 3077,
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Trosclosene sodium, dihydrate)
Class or division, Subsidiary risk: Class 9
Packing Group: III
Hazard label: Miscellaneous & Environmentally hazardous
Excepted Quantity Code: E1
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y956 - Max. Net Qty/Pkg. 30 kg G
Passenger and Cargo Aircraft: Pack.Instr. 956 - Max. Net Qty/Pkg. 400 kg
Cargo Aircraft only: Pack.Instr. 956 - Max. Net Qty/Pkg. 400 kg
Special provisions: A97 A158 A179 A197 A215
Emergency Response Guide-Code (ERG): 9L

15. Regulatory information

National regulations - U.S. Federal Regulations

Product: OSHA: None of the ingredients are considered Extremely Hazardous by OSHA.
Sara Title III:
- Section 302/304 Extremely Hazardous Substances: None
Sodium carbonate: TSCA Inventory: listed
TSCA HPVC: not listed
Phosphonates: TSCA Inventory: listed
TSCA HPVC: not listed

National regulations - U.S. State Regulations

Trosclosene sodium, dihydrate: Massachusetts Haz. Substance codes:
5
Pennsylvania Haz. Substance code: -

National regulations - Great Britain

Hazchem-Code: 2Z

16. Other information

Text for labeling: Contains < 20 % Sodium carbonate, < 10 % Trosclosene sodium, dihydrate, < 10 % Phosphonates. Safety data sheet available on request.
Contains 5-15% phosphonates.
Use biocides safely. Always read the label and product information before use.
Content of active ingredients max. 10% Trosclosene sodium, dihydrate.

Hazard rating systems:



NFPA Hazard Rating:

Health: 2 (Moderate)

Fire: 0 (Minimal)

Reactivity: 1 (Slight)

HMIS Version III Rating:

Health: 2 (Moderate)

Flammability: 0 (Minimal)

Physical Hazard: 1 (Slight)

Personal Protection: X = Consult your supervisor

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	1
	X

Abbreviations and acronyms:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

AS/NZS: Australian Standards/New Zealand Standards

CAS: Chemical Abstracts Service

CFR: Code of Federal Regulations

CLP: Classification, Labelling and Packaging

DMEL: Derived minimal effect level

DNEL: Derived no-effect level

EC50: Effective Concentration 50%

EC: European Community

EN: European Standard

MFSU: Manufacture, formulation, supply and use

IATA: International Air Transport Association

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

IMDG Code: International Maritime Dangerous Goods Code

LC50: Median lethal concentration

MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships

M-factor: Multiplication factor

OSHA: Occupational Safety and Health Administration

PBT: Persistent, bioaccumulative and toxic

PNEC: Predicted no-effect concentration

RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail

STOT SE: Specific target organ toxicity - single exposure

UN: United Nations

vPvB: Very persistent and very bioaccumulative

Reason of change: Changes in section 14: IATA-DGR 2021

Date of first version: 8/17/2003

Department issuing data sheet

Contact person: see section 1: Department responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

Most recent product information is available at:
<http://sumdat.net/st6ftgm0>

