

1. Product and company identification

Product identifier

Trade name: Bevi Tab Cool

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

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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, Tablets
Color: white up to weak bluish

Odor: odorless

Classification: Skin Irritation - Category 2; Eye Damage - Category 1; Aquatic toxicity - chronic - Category 3;

Hazard symbols:



Signal word: **Danger**

Hazard statements: Causes skin irritation.
Causes serious eye damage.
Harmful to aquatic life with long lasting effects.

Precautionary statements:

Keep out of reach of children.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN: Wash with plenty of water/soap.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.
If skin irritation occurs: Get medical advice/attention.

Regulatory status

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

Hazards not otherwise classified

Contains Sodium percarbonate: May intensify fire; oxidiser.

Contains phosphates. May contribute to the eutrophication of water supplies.

see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterization: tablet of the substances listed below with non-hazardous additions.

Relevant ingredients:

CAS No.	Designation	Concentration	Classification
CAS 497-19-8	Sodium carbonate	15 - 30 %	Eye Irritation - Category 2A.
CAS 77-92-9	Citric acid, anhydrous	15 - 30 %	Eye Irritation - Category 2A.
CAS 15630-89-4	Sodium percarbonate	10 - 25 %	Oxidizing Solid - Category 3. Acute Toxicity - oral - Category 4. Eye Damage - Category 1.
CAS 70693-62-8	Potassium peroxymonosulfate	< 15 %	Corrosive to Metals - Category 1. Acute Toxicity - oral - Category 4. Skin Corrosion - Category 1B. Aquatic toxicity - chronic - Category 3.
CAS 7758-99-8	Copper sulphate	< 0.25 %	Acute Toxicity - oral - Category 4. Eye Damage - Category 1. Aquatic toxicity - acute - Category 1 (M-factor = 10). Aquatic toxicity - chronic - Category 1 (M-factor = 1).

Additional information: Contains < 15 % polyethylene glycol (CAS 25322-68-3).
The maximum workplace exposure limits are, where necessary, listed in section 8.

4. First aid measures

General information:	First aider: Pay attention to self-protection! If medical advice is needed, have product container or label at hand. Take off immediately all contaminated clothing.
In case of inhalation:	Provide fresh air. In case of respiratory difficulties seek medical attention.
Following skin contact:	Immediately clean with water and soap followed by thorough rinsing. In case of skin reactions, consult a physician.
After eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently seek the immediate attention of an ophthalmologist.
After swallowing:	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

Most important symptoms/effects, acute and delayed

In case of inhalation: Inhalation of dust may cause irritation of the respiratory system.

In case of ingestion: May be harmful if swallowed.

After contact with skin:

Frequent or prolonged skin contact may cause irritation and inflammation.

After eye contact: Dust contact with the eyes can lead to mechanical irritation.

Other symptoms: Redness, pain, corneal opacity.

Information to physician

Treat symptomatically.

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.

Extinguishing media which must not be used for safety reasons:

Full water jet

Specific hazards arising from the chemical

Fires in the immediate vicinity may cause the development of dangerous vapors.

In case of fire may be liberated: Sodium compounds, phosphorus compounds, carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Cool endangered containers with water spray and, if possible, remove from danger zone. Use a water fog to control vapors. Do not breathe fumes. Do not allow fire water to penetrate into surface or ground water.

6. Accidental release measures

Personal precautions:

Do not breathe dust. Avoid contact with the substance.

If possible, eliminate leakage. Provide adequate ventilation.

Wear appropriate protective equipment. Keep unprotected people away.

Environmental precautions:

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

Methods for clean-up:

Avoid generation of dust. Collect dry and place in appropriate containers for disposal.

Subsequent cleaning. Wash spill area with plenty of water.

7. Handling and storage

Handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment.

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off immediately all contaminated clothing and wash it before reuse.

Work place should be equipped with a shower and an eye rinsing apparatus.

Precautions against fire and explosion:

Usual measures for fire prevention.

Storage

Requirements for storerooms and containers:

Store container tightly closed in a dry and cool place.

Hints on joint storage:

Do not store together with highly inflammable or combustible materials. Keep away from food and drinks.

8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
	Bevi Tab Cool	USA: ACGIH: TWA	10 mg/m ³ (Dust limit value, inhalable fraction)
		USA: ACGIH: TWA	3 mg/m ³ (Dust limit value, respirable fraction)
		USA: OSHA: TWA	15 mg/m ³ (Dust limit value, inhalable fraction)
		USA: OSHA: TWA	5 mg/m ³ (Dust limit value, respirable fraction)
7758-99-8	Copper sulphate	USA: ACGIH: TWA	0.2 mg/m ³ (Smoke)
		USA: ACGIH: TWA	1 mg/m ³ (Dusts and mist calculated as Cu)
		USA: NIOSH: TWA	1 mg/m ³
		USA: OSHA: TWA	0.1 mg/m ³ (Smoke; calculated as Cu)
		USA: OSHA: TWA	1 mg/m ³ (Dusts and mist calculated as Cu)

Engineering controls

In the case of the formation of dust: 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: Wear suitable protective clothing.

Protective gloves according to OSHA Standard - 29 CFR: 1910.138.

Glove material: Nitrile rubber or butyl caoutchouc (butyl rubber).

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection: In case of dust formation: Dust mask/Particulates filter P2 according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.

General hygiene considerations:

Do not breathe dust. Do not get in eyes, on skin, or on clothing.

Take off immediately all contaminated clothing and wash it before reuse.

Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

Work place should be equipped with a shower and an eye rinsing apparatus.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Form: solid, Tablets Color: white up to weak bluish
Odor:	odorless
Odor threshold:	No data available
pH:	at 68 °F, 10 g/L: 6 - 7
Melting point/freezing point:	No data available
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:	No data available
Vapor density:	No data available
Density:	No data available
Water solubility:	soluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Additional information:	No data available

10. Stability and reactivity

Reactivity:	Product is hygroscopic. Product in aqueous solution develops hydrogen peroxide.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	No hazardous reaction when handled and stored according to provisions.
Conditions to avoid:	Protect from moisture contamination. Excessive heating. Avoid generation of dust.
Incompatible materials:	Strong acids and strong bases.
Hazardous decomposition products:	In case of fire may be liberated: Sodium compounds, phosphorus compounds, carbon monoxide and carbon dioxide.
Thermal decomposition:	No data available



11. Toxicological information

Toxicological tests

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met.
ATEmix (calculated): > 2000.

Information about Potassium peroxymonosulfate:
LD50 Rat, oral: 1000 - 2000 mg/kg.
Harmful if swallowed.

Information about Sodium percarbonate:
LD50 Rat, oral: 1034 - 2000 mg/kg.
Harmful if swallowed.

Acute toxicity (dermal): Lack of data.
Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Skin Irritation - Category 2 = Causes skin irritation.
Serious eye damage/irritation: Eye Damage - Category 1 = Causes serious eye damage.
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: Inhalation of dust may cause irritation of the respiratory system.
In case of ingestion: May be harmful if swallowed.
After contact with skin:
Frequent or prolonged skin contact may cause irritation and inflammation.
After eye contact: Dust contact with the eyes can lead to mechanical irritation.
Other symptoms: Redness, pain, corneal opacity.

12. Ecological information

Ecotoxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects.
Contains phosphonates. May contribute to the eutrophication of water supplies.
Information about Potassium peroxymonosulfate:
Algae toxicity:
NOEC Pseudokirchneriella subcapitata (green algae): 0.5 mg/L/72h (OECD 201)
ErC50 Pseudokirchneriella subcapitata (green algae): >1 mg/L/72h (OECD 201)
Daphnia toxicity:
NOEC Daphnia magna (Big water flea): 2.5 mg/L/48h (OECD 202).
EC50 Daphnia magna (Big water flea): 3.5 mg/L/48h (OECD 202).
Fish toxicity:
NOEC Oncorhynchus mykiss: 27 mg/L/96h (OECD 203).
LC50 Oncorhynchus mykiss: 53 mg/L/96h (OECD 203)
Information about Copper sulphate:
Very toxic to aquatic life with long lasting effects. M-Faktor= 10
Daphnia toxicity:
EC50 Daphnia magna (Big water flea): 0.02 mg/L/48h.
Fish toxicity:
LC50 Oncorhynchus mykiss: 0.11 mg/L/96h.
Source: Ecotox Database

Mobility in soil

No data available

Persistence and degradability

Further details: No data available

Additional ecological information

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

13. Disposal considerations

Product

Recommendation: Dispose of waste according to applicable legislation.
Smaller quantities can be disposed of with household waste. 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. Non-contaminated packages may be recycled.

14. Transport information

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:

Not restricted

Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:

not applicable

Packing group

ADR/RID, IMDG, IATA-DGR:

not applicable

Environmental hazards

Marine pollutant:

no

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

No data available

USA: Department of Transportation (DOT)

Proper shipping name:

Not restricted

Sea transport (IMDG)

Proper shipping name:

Not restricted

Marine pollutant:

no

Air transport (IATA)

Proper shipping name:

Not restricted

Further information

Only dangerous if carried on tank-ships.

15. Regulatory information

National regulations - U.S. Federal Regulations

Sodium carbonate:

TSCA Inventory: listed
TSCA HPVC: not listed

Citric acid, anhydrous:

TSCA Inventory: listed
TSCA HPVC: not listed

Sodium percarbonate:

TSCA Inventory: listed
TSCA HPVC: not listed

Potassium peroxymonosulfate:

TSCA Inventory: listed
TSCA HPVC: not listed

Polyethylene glycol 8000:

TSCA Inventory: listed; EPA flags XU
TSCA HPVC: not listed

Copper sulphate:

TSCA: not listed
Copper sulphate anhydrous / CAS 7758-98-7: listed

National regulations - U.S. State Regulations

Sodium percarbonate: New York List of Hazardous Substances:
TRQ: 10

National regulations - Great Britain

Hazchem-Code: -

16. Other information

Text for labeling: Contains 15 - 30 % Sodium carbonate, 15 - 30 % Citric acid, anhydrous, 10 - 25 % Sodium percarbonate, < 15 % Potassium peroxymonosulfate, < 0.25 % Copper sulphate. Safety data sheet available on request.

Labeling for contents according to regulation (EC) No 648/2004, annex VII:

Contains:

- 5% or over but less than 15% phosphates
- 15% or over but less than 30% oxygen-based bleaching agents (Sodium percarbonate, Potassium peroxymonosulfate)

Hazard rating systems:



NFPA Hazard Rating:

Health: 3 (Serious)

Fire: 0 (Minimal)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 3 (Serious)

Flammability: 0 (Minimal)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

JT Baker Storage Color Code: Green (General Storage)

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0
	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

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

LD50: Lethal dose 50%

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

M-factor: Multiplication factor

NOEC: No Observed Effect Concentration

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

vPvB: Very persistent and very bioaccumulative

Reason of change: Changes in section 8: Exposure limit values

General revision

Date of first version: 10/17/2014



BeviClean[®]
WIR MACHEN ALLES KLAR

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Bevi Tab Cool

Material number 88.305.700

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Page: 10 of 10

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/g1tya84g>

