

1. Product and company identification

Product identifier

Trade name: Bevi Desinfect

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: liquid

Color: colorless

Odor: weak alcoholic

Classification: This material is classified as not hazardous.

Precautionary statements:

Keep out of reach of children.

Regulatory status

This material is not considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazards not otherwise classified

see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterization: aqueous solution

Relevant ingredients:

CAS No.	Designation	Concentration	Classification
CAS 64-17-5	Ethanol	< 5 %	Flammable Liquid - Category 2.
CAS 7722-84-1	Hydrogen peroxide	< 1 %	Oxidizing Liquid - Category 1. Acute Toxicity - oral - Category 4. Acute Toxicity - inhalative - Category 4. Skin Corrosion - Category 1A.

4. First aid measures

In case of inhalation:	Move victim to fresh air. In the event of discomfort seek medical treatment.
Following skin contact:	Change contaminated clothing. In case of skin contact, rinse with warm water. In case of skin reactions, consult a physician.
After eye contact:	With eyelids open, wash out eyes for several minutes under flowing water. In case of troubles or persistent symptoms, consult an ophthalmologist.
After swallowing:	Rinse mouth and drink large quantities of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Seek medical attention.

Most important symptoms/effects, acute and delayed

Irritant effects are possible.

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:

No data available

Auto-ignition temperature: not spontaneously flammable

Suitable extinguishing media:

Water spray jet, alcohol resistant foam, dry chemical powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet

Specific hazards arising from the chemical

In the event of a fire, the following may be produced when the water evaporates: Carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear self-contained breathing apparatus.

Additional information: Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

6. Accidental release measures

Personal precautions: Avoid contact with the substance. Do not breathe vapors. Provide adequate ventilation.

Environmental precautions:

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



Methods for clean-up: Soak up with absorbent materials such as sand, siliceus earth, acid- or universal binder.
Store in special closed containers and dispose of according to ordinance.

7. Handling and storage

Handling

Advices on safe handling: Do not breathe vapors. Avoid contact with eyes.
Avoid prolonged and intensive skin contact.

Specific use(s) Cleaning agent

Storage

Requirements for storerooms and containers:
Store container tightly closed in a dry and cool place.
Store only in original container. Protect against heat /sun rays.

8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
64-17-5	Ethanol	USA: ACGIH: STEL	1000 ppm
		USA: NIOSH: TWA	1900 mg/m ³ ; 1000 ppm
		USA: OSHA: TWA	1900 mg/m ³ ; 1000 ppm
7722-84-1	Hydrogen peroxide	USA: ACGIH: TWA	1.4 mg/m ³ ; 1 ppm
		USA: NIOSH: TWA	1.4 mg/m ³ ; 1 ppm
		USA: OSHA: TWA	1.4 mg/m ³ ; 1 ppm

Engineering controls

Provide adequate ventilation, and local exhaust as needed.
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: Recommendation: Protective gloves according to OSHA Standard - 29 CFR: 1910.138.
Glove material: Nitrile rubber or butyl caoutchouc (butyl rubber).
Breakthrough time > 480 min.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection: With correct and proper use, and under normal conditions, breathing protection is not required.
Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded.
Use filter type A (= against vapors of organic substances) according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.

General hygiene considerations:
Change contaminated clothing.
When using do not eat, drink or smoke.
After worktime and during work intervals the affected skin areas must be thoroughly cleaned.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Form: liquid Color: colorless
Odor:	weak alcoholic
Odor threshold:	No data available
pH:	at 68 °F: approx. 2
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	> 140 °F
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:	at 68 °F: approx. 1 g/mL
Water solubility:	completely miscible
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	not spontaneously flammable
Thermal decomposition:	No data available
Explosive properties:	not explosive

10. Stability and reactivity

Reactivity:	May be corrosive to metals.
Chemical stability:	Product is stable under normal storage conditions.
Possibility of hazardous reactions:	No dangerous reactions are known.
Conditions to avoid:	No data available
Incompatible materials:	alkalis, reducing agent
Hazardous decomposition products:	In the event of a fire, the following may be produced when the water evaporates: 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: Based on available data, the classification criteria are not met. Product can cause skin irritation because of the pH-value.
- Serious eye damage/irritation: Based on available data, the classification criteria are not met. Product can cause eye irritation because of the pH-value.
- 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.

General remarks

Due to its pH value (see section 9), irritation of the skin and eyes cannot be ruled out.

12. Ecological information

Ecotoxicity

Further details: No data available

Mobility in soil

No data available

Persistence and degradability

Further details: Information about Ethanol: Readily biodegradable.

Additional ecological information

General information: Do not allow to enter undiluted resp. in large quantities into surface water or into drains.

13. Disposal considerations

Product

Recommendation: Special waste. Dispose of waste according to applicable legislation.
Small quantities: Dilute with lots of water and flush away.

Package

Recommendation: Dispose of waste according to applicable legislation. 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

No dangerous good in sense of these transport regulations.

15. Regulatory information

National regulations - U.S. Federal Regulations

Ethanol:

TSCA Inventory: listed

TSCA HPVC: not listed

NIOSH Recommendations:

Occupational Health Guideline: 0262

Hydrogen peroxide:

TSCA Inventory: listed

TSCA HPVC: not listed

National regulations - U.S. State Regulations

Ethanol: California Proposition 65 code: -
Idaho Air Pollutant List:
Title 585: AAC: 94 - EL: 125 - OEL: 1880 - Title 586: -
Massachusetts Haz. Substance codes: 2,4,5,6 *T1*
Minnesota Haz. Substance:
Codes: AO - Ratings: 7.74
Pennsylvania Haz. Substance code: -
Washington Air Contaminant:
TWA: 1000 ppm - 1900 mg

National regulations - Great Britain

Hazchem-Code: -

16. Other information

Hazard rating systems:



NFPA Hazard Rating:

Health: 1 (Slight)

Fire: 1 (Slight)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight)

Flammability: 1 (Slight)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	1
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

OEL: Occupational Exposure Limit Value

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

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

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

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

TLV: Threshold Limit Value

vPvB: Very persistent and very bioaccumulative

WEL: Workplace Exposure Limit



BeviClean[®]
WIR MACHEN ALLES KLAR

SAFETY DATA SHEET

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

Bevi Desinfect

Material number 82.001.180

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General revision

Date of first version: 12/23/2010

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/m39cige9>

