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
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: 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
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.
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:

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Designation</th>
<th>Type</th>
<th>Limit value</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-17-5</td>
<td>Ethanol</td>
<td>USA: ACGIH: STEL</td>
<td>1000 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>USA: NIOSH: TWA</td>
<td>1900 mg/m³; 1000 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>USA: OSHA: TWA</td>
<td>1900 mg/m³; 1000 ppm</td>
</tr>
<tr>
<td>7722-84-1</td>
<td>Hydrogen peroxide</td>
<td>USA: ACGIH: TWA</td>
<td>1.4 mg/m³; 1 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>USA: NIOSH: TWA</td>
<td>1.4 mg/m³; 1 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>USA: OSHA: TWA</td>
<td>1.4 mg/m³; 1 ppm</td>
</tr>
</tbody>
</table>

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:

Skin protection:
- 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 value: 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

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.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled.
14. Transport information

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

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

Bevi Desinfect
Material number 82.001.180

Revision date: 9/6/2019
Version: 5
Language: en-US
Date of print: 1/17/2020

Page: 7 of 7

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

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

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