

## Safety Data Sheet acc. to OSHA HCS

Printing date 01/14/2021

Reviewed on 01/14/2021

### 1 Identification

#### Product identifier

**Trade name:** Bizerba Walzenreiniger

**Application of the substance / the mixture** Cleaning material/ Detergent

#### Details of the supplier of the safety data sheet

**Manufacturer/Supplier:**

Bizerba SE & Co. KG

Wilhelm-Kraut-Straße 65

72336 Balingen

Germany

Tel.: +49 (0) 7433 12-0

Fax: +49 (0) 7433 12-1350

vertrieb@bizerba.com

**Information department:** Customer Service Department

#### Emergency telephone number:

Bizerba Helpline +49 7433/122 911 during normal opening times (Mon-Fri 9 a.m.-4 p.m.)

### 2 Hazard(s) identification

#### Classification of the substance or mixture



GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.



GHS05 Corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

STOT SE 3 H336 May cause drowsiness or dizziness.

#### Label elements

##### GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

##### Hazard pictograms



GHS02



GHS05



GHS07

**Signal word** Danger

#### Hazard-determining components of labeling:

Isotridecanol, ethoxyliert (7-14 EO)

propan-2-ol

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2-Ethylhexanol polyglycol ether phosphoric acid ester, Na salt

**Hazard statements**

Flammable liquid and vapor.

Causes serious eye damage.

May cause drowsiness or dizziness.

**Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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.

In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Classification system:****NFPA ratings (scale 0 - 4)**

Health = 3

Fire = 3

Reactivity = 0

**HMIS-ratings (scale 0 - 4)**

Health = \*3

Fire = 3

Reactivity = 0

**Other hazards****Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

## 3 Composition/information on ingredients

**Chemical characterisation: Preparation****Description:** Mixture of subsequent listed substances and harmless additives.**Components:**

CAS: 67-63-0	propan-2-ol	20–40%
CAS: 122-99-6	2-Phenoxyethanol	5-10%
CAS: 9043-30-5	Isotridecanol, ethoxyliert (7-14 EO)	1-5%
CAS: 111798-26-6	2-Ethylhexanol polyglycol ether phosphoric acid ester, Na salt	1-5%

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## 4 First-aid measures

### **Description of first aid measures**

#### **General information:**

Take affected persons out into the fresh air.

Do not leave affected persons unattended.

Personal protection for the First Aider.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

#### **After skin contact:**

Flush contaminated skin with plenty of water and soap. Remove contaminated clothing. Get medical attention if symptoms occur.

#### **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:** Do not induce vomiting; immediately call for medical help.

#### **Information for doctor:**

**Most important symptoms and effects, both acute and delayed** No further relevant information available.

#### **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

## 5 Fire-fighting measures

### **Extinguishing media**

#### **Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

### **Special hazards arising from the substance or mixture**

Formation of toxic/irritant gases is possible during heating or in case of fire.

Products of decomposition see chapter 10.

### **Advice for firefighters**

#### **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

#### **Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

## 6 Accidental release measures

### **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from open flames, hot surfaces and sources of ignition.

Avoid contact with skin and eyes.

Do not inhale vapours and aerosols.

Close leakage without taking personal risks.

### **Environmental precautions:**

Do not allow to enter sewers/surface or ground water.

In case of seepage into the ground inform responsible authorities.

### **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.

**Reference to other sections**

See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**Protective Action Criteria for Chemicals**

**PAC-1:**

CAS: 67-63-0	propan-2-ol	400 ppm
CAS: 122-99-6	2-Phenoxyethanol	1.5 ppm
CAS: 1310-73-2	sodium hydroxide	0.5 mg/m <sup>3</sup>

**PAC-2:**

CAS: 67-63-0	propan-2-ol	2000* ppm
CAS: 122-99-6	2-Phenoxyethanol	16 ppm
CAS: 1310-73-2	sodium hydroxide	5 mg/m <sup>3</sup>

**PAC-3:**

CAS: 67-63-0	propan-2-ol	12000** ppm
CAS: 122-99-6	2-Phenoxyethanol	97 ppm
CAS: 1310-73-2	sodium hydroxide	50 mg/m <sup>3</sup>

## 7 Handling and storage

**Precautions for safe handling**

Prevent contact with eyes.  
Prevent longer or repeated contact with skin.  
Keep receptacles tightly sealed.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.  
Remove contaminated clothing.  
Keep away from food, drink and animal feeding stuffs.  
Wash hands before brakes and at end of work  
Do not eat, drink or smoke while working.

**Information about protection against explosions and fires:**

Keep away ignition sources - Do not smoke.  
Protect against electrostatic charges.  
Do not spray on a naked flame or any incandescent material.

**Conditions for safe storage, including any incompatibilities  
Requirements to be met by storerooms and receptacles:**

Provide solvent resistant, sealed floor.  
Prevent any seepage into the ground.

**Information about storage in one common storage facility:**

Store away from oxidizing agents.  
Store away from food, beverage and feedingstuff.

**Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

**Storage class:** 3 - flammable liquids with flash point <60 °C

**Specific end use(s)** No further relevant information available.

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## 8 Exposure controls/personal protection

**Additional information about design of technical systems:** No further data; see item 7.

### Control parameters

#### Components with limit values that require monitoring at the workplace:

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

#### CAS: 67-63-0 propan-2-ol

PEL	Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
REL	Short-term value: 1225 mg/m <sup>3</sup> , 500 ppm Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
TLV	Short-term value: 984 mg/m <sup>3</sup> , 400 ppm Long-term value: 492 mg/m <sup>3</sup> , 200 ppm BEI

#### Ingredients with biological limit values:

#### CAS: 67-63-0 propan-2-ol

BEI	40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)
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**Additional information:** The lists that were valid during the creation were used as basis.

### Exposure controls

#### General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Do not eat or drink while working.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid close or long term contact with the skin.

Avoid contact with the eyes.

#### Breathing equipment:

Not necessary if room is well-ventilated.

Use suitable respiratory protective device in case of insufficient ventilation.

Use suitable respiratory protective device only when aerosol or mist is formed.

Filter A/P2

#### Protection of hands:



Protective gloves

#### Material of gloves

Use solvent/hydrocarbon resistant gloves. Suitable are gloves from: nitrile rubber (thickness >0,38 mm, breakthrough time > 480 min), fluorocarbon rubber (thickness >0,38 mm, breakthrough time > 480 min).

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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**Eye protection:**

Safety glasses with side protection (EN 166).

**Body protection:** Protective work clothing

## 9 Physical and chemical properties

**Information on basic physical and chemical properties****General Information****Appearance:**

<b>Form:</b>	Fluid
<b>Color:</b>	colorless
<b>Odor:</b>	Alcohol-like
<b>Odor threshold:</b>	Not determined.

<b>pH-value at 20 °C (68 °F):</b>	8–10
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**Change in condition**

<b>Melting point/Melting range:</b>	Not determined.
<b>Boiling point/Boiling range:</b>	Not determined.

<b>Flash point:</b>	>25 °C (>77 °F)
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<b>Flammability (solid, gaseous):</b>	Not applicable.
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<b>Ignition temperature:</b>	Not determined.
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<b>Decomposition temperature:</b>	Not determined.
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<b>Auto igniting:</b>	Product is not selfigniting.
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<b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
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**Explosion limits:**

<b>Upper:</b>	
<b>Oxidizing properties</b>	Non oxidising.

<b>Density at 20 °C (68 °F):</b>	<1 g/cm <sup>3</sup> (<8.35 lbs/gal)
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<b>Relative density</b>	Not determined.
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<b>Evaporation rate</b>	Not determined.
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**Solubility in / Miscibility with**

<b>Water:</b>	Soluble.
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<b>Partition coefficient (n-octanol/water):</b>	Not determined.
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**Solvent content:**

<b>VOC content:</b>	35.00 %
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<b>Other information</b>	No further relevant information available.
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## 10 Stability and reactivity

**Reactivity** Stable under recommended storage conditions.

**Chemical stability** Stable under normal conditions.

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

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**Possibility of hazardous reactions** No dangerous reactions known.

**Conditions to avoid**

Heat, flames and sparks.

Keep away from strong oxidants as well as reducing agents.

**Incompatible materials:** strong oxidants

**Hazardous decomposition products:**

In case of fire:

CO<sub>2</sub>, CO, NO<sub>x</sub>

Under certain conditions of fire, other toxic/irritant substances may form.

## 11 Toxicological information

**Information on toxicological effects**

**Acute toxicity:**

**Primary irritant effect:**

**on the skin:** No irritant effect.

**on the eye:**

Strong irritant with the danger of severe eye injury.

Irritating effect possible.

**Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

**Carcinogenic categories**

**IARC (International Agency for Research on Cancer)**

CAS: 67-63-0 propan-2-ol	3
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**NTP (National Toxicology Program)**

None of the ingredients is listed.

**OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

## 12 Ecological information

**Toxicity**

**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability**

The surfactants contained in this preparation meet the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Documents confirming this are kept ready for the competent authorities of the member states and are only made available to them either at their direct request or at the request of a detergent manufacturer.

**Behavior in environmental systems:**

**Bioaccumulative potential** Bioaccumulation is not to be expected.

**Mobility in soil** No further relevant information available.

**Ecotoxicological effects:**

**General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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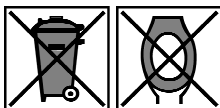
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**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects** At intended use no interferences with environment are known or expected.

## 13 Disposal considerations

**Waste treatment methods****Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Must be specially treated adhering to official regulations.

**Uncleaned packagings:****Recommendation:** Disposal must be made according to official regulations.**Recommended cleansing agent:** Water, if necessary with cleansing agents.

## 14 Transport information

**UN-Number****DOT, IMDG, IATA**

UN1219

**UN proper shipping name****DOT****IMDG, IATA**

Isopropanol solution

ISOPROPANOL (ISOPROPYL ALCOHOL) solution

**Transport hazard class(es)****DOT****Class**

3 Flammable liquids

**Label**

3

**IMDG, IATA****Class**

3 Flammable liquids

**Label**

3

**Packing group****DOT, IMDG, IATA**

II

**Environmental hazards:**

Not applicable.

**Special precautions for user**

Warning: Flammable liquids

**Hazard identification number (Kemler code):** 30**EMS Number:**

F-E,S-D

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**Stowage Category**

B

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**Transport/Additional information:****DOT****Quantity limitations**

On passenger aircraft/rail: 5 L

On cargo aircraft only: 60 L

**IMDG****Limited quantities (LQ)**

1L

**Excepted quantities (EQ)**

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

**UN "Model Regulation":**

UN 1219 ISOPROPANOL (ISOPROPYL ALCOHOL) SOLUTION, 3, II

## 15 Regulatory information

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

No further relevant information available.

**Sara****Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

**Section 313 (Specific toxic chemical listings):**

CAS: 67-63-0 | propan-2-ol

CAS: 122-99-6 | 2-Phenoxyethanol

**TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

**Hazardous Air Pollutants**

None of the ingredients is listed.

**Proposition 65****Chemicals known to cause cancer:**

None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

**Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

**Carcinogenic categories****EPA (Environmental Protection Agency)**

None of the ingredients is listed.

**TLV (Threshold Limit Value established by ACGIH)**

CAS: 67-63-0 | propan-2-ol

A4

**NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

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**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### Training hints

Upon request trainings for to ensure safety of human health and of environment can be given. Contact see below.

Further information on the subject of occupational safety can be found at [www.baua.de](http://www.baua.de) and [www.arbeitsschutz.de](http://www.arbeitsschutz.de)

#### Classification according to Regulation (EC) No 1272/2008

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

**Contact:** Email: [Bizerba.Kundendienst@bizerba.com](mailto:Bizerba.Kundendienst@bizerba.com)

**Date of preparation / last revision** 01/14/2021 / 2.0

#### Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Flam. Liq. 3: Flammable liquids – Category 3

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

#### Sources

Data of raw material suppliers.

GESTIS-Stoffdatenbank, Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung, <https://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index.jsp>.