

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 14.01.2021

Version number 2.1

Revision: 14.01.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: Bizerba Schaumreiniger**UFI: M74A-T98G-E00P-6CV**

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

No further relevant information available.

Application of the substance / the mixture Cleaning material/ Detergent

1.3 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

Further information obtainable from: Customer Service Department

1.4 Emergency telephone number:

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

SECTION 2: Hazards identification

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



GHS02 flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS02

GHS07

Signal word Danger**Hazard statements**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H319 Causes serious eye irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

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- P102 *Keep out of reach of children.*
 P103 *Read carefully and follow all instructions.*
 P210 *Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.*
 P211 *Do not spray on an open flame or other ignition source.*
 P251 *Do not pierce or burn, even after use.*
 P264 *Wash thoroughly after handling.*
 P280 *Wear eye protection / face protection.*
 P305+P351+P338 *IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*
 P337+P313 *If eye irritation persists: Get medical advice/attention.*
 P410+P412 *Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.*

Additional information:

Contains Orange juice oil. May produce an allergic reaction.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** This substance is neither persistent, bioaccumulative nor toxic (PBT).**vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Preparation**Description:** Mixture of subsequent listed substances and harmless additives.**Dangerous components:**

CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	≥10–<20%
CAS: 106-97-8 EINECS: 203-448-7	butane, pure ⚠ Flam. Gas 1A, H220; ⚠ Acute Tox. 3, H331; Press. Gas (Comp.), H280	2.5–10%
CAS: 74-98-6 EINECS: 200-827-9	propane ⚠ Flam. Gas 1A, H220; ⚠ Acute Tox. 1, H330; Press. Gas (Comp.), H280	2.5–10%
CAS: 1336-21-6 EINECS: 215-647-6	ammonia ⚠ Skin Corr. 1B, H314; ⚠ Aquatic Acute 1, H400	≥0.25–<1%
CAS: 8028-48-6 EINECS: 232-433-8	Orange juice oil ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	≥0.1–<0.25%

Regulation (EC) No 648/2004 on detergents / Labelling for contents

5- <15% aliphatic hydrocarbons

< 5% anionic surfactants

Perfumes

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 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.

If feeling unwell seek medical help. Show this safety data sheet if possible.

After inhalation:

Supply fresh air; consult doctor in case of complaints.

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In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Wash contaminated skin with water and soap and rinse thoroughly. Remove contaminated clothing. Get medical attention if symptoms occur.

After eye contact:

Rinse opened eye for several minutes under running water. Remove contact lenses, continue rinsing. If symptoms persist, consult a doctor.

After swallowing:

Wash out mouth with water. If the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Call for medical help immediately

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

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media**Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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

5.2 Special hazards arising from the substance or mixture

Heating leads to an increase in pressure - danger of bursting.

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

Products of decomposition see chapter 10.

5.3 Advice for firefighters**Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

Additional information

Cool endangered receptacles with water spray.

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep away unprotected persons.

Ensure adequate ventilation

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

Do not inhale vapours and aerosols.

Close leakage without taking personal risks.

6.2 Environmental precautions:

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

In case of seepage into the ground inform responsible authorities.

6.3 Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

SECTION 7: Handling and storage**7.1 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.

Do not inhale vapours and mist.

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 fire - and explosion protection:

Keep away ignition sources - Do not smoke.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

Do not spray onto a naked flame or any incandescent material.

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

Observe official regulations on storing packagings with pressurised containers.

Provide solvent resistant, sealed floor.

Prevent any seepage into the ground.

Information about storage in one common storage facility:

Store away from oxidising agents.

Store away from food, beverage and feedingstuff.

Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Storage class: 2 B - pressurized gas (aerosol)**7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Additional information about design of technical facilities:** No further data; see item 7.**Ingredients with limit values that require monitoring at the workplace:****CAS: 67-63-0 propan-2-ol**WEL Short-term value: 1250 mg/m³, 500 ppmLong-term value: 999 mg/m³, 400 ppm**CAS: 106-97-8 butane, pure**WEL Short-term value: 1810 mg/m³, 750 ppmLong-term value: 1450 mg/m³, 600 ppm

Carc (if more than 0.1% of buta-1.3-diene)

Additional information: The lists that were valid during the creation were used as basis.**8.2 Exposure controls****General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Do not eat or drink while working.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

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*Wash hands before breaks and at the end of work.**Do not inhale gases / fumes / aerosols.**Avoid contact with the eyes and skin.***Respiratory protection:***Not necessary if room is well-ventilated.**Use suitable respiratory protective device in case of insufficient ventilation.**Filter A/P2***Protection of hands:***Protective gloves (EN 374)***Material of gloves**

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.

For the permanent contact gloves made of the following materials are suitable:*Butyl rubber, BR**Fluorocarbon rubber (Viton)**Thickness > 0,38 mm**Permeation time > 480 min***Eye protection:***Safety glasses with side protection (EN 166).***Body protection:** *Protective work clothing (EN 14605)*

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	<i>Aerosol</i>
Colour:	<i>White</i>
Odour:	<i>Sweetish</i>
Odour threshold:	<i>Not determined.</i>

pH-value at 20 °C:	<i>8,5-9,0</i>
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Change in condition

Melting point/freezing point:	<i>Not determined.</i>
Initial boiling point and boiling range:	<i><-20 °C</i>

Flash point:	<i><-20 °C</i>
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Flammability (solid, gas):	<i>Not applicable.</i>
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Ignition temperature:	<i>365 °C</i>
	<i>Not determined.</i>

Decomposition temperature:	<i>Not determined.</i>
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Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits:	
Lower:	2 Vol %
Upper:	12.5 Vol %
Oxidising properties	Non oxidising.
Density at 20 °C:	0.9 g/cm ³
Relative density	Not determined.
Evaporation rate	Not applicable.
Solubility in / Miscibility with water:	Soluble.
Partition coefficient: n-octanol/water:	Not determined.
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity Stable under recommended storage conditions.

10.2 Chemical stability Stable under normal conditions.

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

10.3 Possibility of hazardous reactions Reacts with strong oxidising agents.

10.4 Conditions to avoid

Heat, flames and sparks.

Keep away from strong oxidants as well as reducing agents.

10.5 Incompatible materials:

strong oxidants

strong reducing agents

10.6 Hazardous decomposition products:

In case of fire:

CO₂, CO, NO_x, SO_x

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

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

CAS: 106-97-8 butane, pure

Inhalative	LC50 / 4 h	658 mg/l (rat)
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CAS: 74-98-6 propane

Inhalative	LC50 / 4 h	20 mg/l (rat)
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Primary irritant effect:

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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Additional toxicological information:**Acute effects (acute toxicity, irritation and corrosivity)***Inhalation: May cause irritation, headache, nausea, and difficulty breathing.**Skin contact: Repeated or prolonged skin contact can cause irritation.**Eye contact: May cause irritation.**Ingestion: May cause nausea, headache, dizziness and intoxication. If vomited, solvent-containing material may get into the lungs and pneumonia can result.***CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)****Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:****CAS: 106-97-8 butane, pure**EC50 / 48 h 69.43 mg/l (*Daphnia magna*)

LC50 / 96 h 49.9 mg/l (fish)

CAS: 74-98-6 propaneEC50 / 48 h 69.43 mg/l (*Daphnia magna*)

LC50 / 96 h 49.9 mg/l (fish)

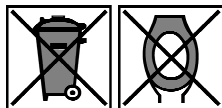
12.2 Persistence and degradability

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.

12.3 Bioaccumulative potential Bioaccumulation is not to be expected.**12.4 Mobility in soil** Product is mobile in aqueous environment.**General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

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

12.5 Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** At intended use no interferences with environment are known or expected.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation**

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

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Must be specially treated adhering to official regulations.

European waste catalogue

20 01 29* | detergents containing hazardous substances

Uncleaned packaging:**Recommendation:** Disposal must be made according to official regulations.**Recommended cleansing agents:** Water, if necessary together with cleansing agents.**SECTION 14: Transport information**

14.1 UN-Number
ADR, IMDG, IATA

UN1950

14.2 UN proper shipping name

ADR

1950 AEROSOLS

IMDG

AEROSOLS

IATA

AEROSOLS, flammable

14.3 Transport hazard class(es)

ADR**Class**

2 5F Gases.

Label

2.1

IMDG, IATA

**Class**

2.1

Label

2.1

14.4 Packing group

ADR, IMDG, IATA

not regulated

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Warning: Gases.

Hazard identification number (Kemler code):

-

EMS Number:

F-D,S-U

Segregation groups

Ammonium compounds, alkalis

Stowage Code

SW1 Protected from sources of heat.

SW22 For AEROSOLS with a maximum capacity of 1 litre:

Category A. For AEROSOLS with a capacity above 1 litre:

Category B. For WASTE AEROSOLS: Category C, Clear

of living quarters.

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Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
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14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
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Transport/Additional information:**ADR**

Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity

Transport category

2

Tunnel restriction code

D

IMDG

Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity

UN "Model Regulation":	UN 1950 AEROSOLS, 2.1
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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS02 GHS07

Signal word Danger**Hazard statements**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H319 Causes serious eye irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P264 Wash thoroughly after handling.

P280 Wear eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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Directive 2012/18/EU**Named dangerous substances - ANNEX I** None of the ingredients is listed.**Seveso category P3a** FLAMMABLE AEROSOLS**Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t**Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

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

Relevant phrases

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H331 Toxic if inhaled.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

Training hints

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

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**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1A: Flammable gases – Category 1A

Aerosol 1: Aerosols – Category 1

Press. Gas (Comp.): Gases under pressure – Compressed gas

Flam. Liq. 2: Flammable liquids – Category 2

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*Flam. Liq. 3: Flammable liquids – Category 3**Acute Tox. 1: Acute toxicity – Category 1**Acute Tox. 3: Acute toxicity – Category 3**Skin Corr. 1B: Skin corrosion/irritation – Category 1B**Skin Irrit. 2: Skin corrosion/irritation – Category 2**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**Skin Sens. 1: Skin sensitisation – Category 1**STOT SE 3: Specific target organ toxicity (single exposure) – Category 3**Asp. Tox. 1: Aspiration hazard – Category 1**Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1**Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2***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>.*

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