

Safety Data Sheet acc. to OSHA HCS

Printing date 01/18/2021

Reviewed on 01/18/2021

1 Identification

Product identifier

Trade name: Bizerba Etikettenentferner Aerosol

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. Aerosol 1 H222 Extremely flammable aerosol.



GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.

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



GHS07

Signal word Danger

Hazard-determining components of labeling:

Kohlenwasserstoffe, C7-C9, Isoalkane

Orange juice oil

Hazard statements

Extremely flammable aerosol.

May cause an allergic skin reaction.

May cause drowsiness or dizziness.

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Precautionary statements

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

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

Pressurized container: Do not pierce or burn, even after use.

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

Use only outdoors or in a well-ventilated area.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves.

If on skin: Wash with plenty of water.

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

Call a poison center/doctor if you feel unwell.

Specific treatment (see on this label).

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

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

Store locked up.

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

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

Classification system:

NFPA ratings (scale 0 - 4)



Health = 0

Fire = 4

Reactivity = 3

HMIS-ratings (scale 0 - 4)



Health = 0

Fire = 4

Reactivity = 3

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: 64741-66-8	Kohlenwasserstoffe, C7-C9, Isoalkane	50- < 100%
CAS: 106-97-8	butane, pure	10-25%
CAS: 74-98-6	propane	2.5-10%
CAS: 8028-48-6	Orange juice oil	≥1-≤2.5%

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.

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

In case of inhaling spray mist consult a doctor and show packaging or safety data sheet.

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:

CO₂, 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

Cool containers affected from fire with water from protective cover - danger of bursting.

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

Particular danger of slipping on leaked/spilled product.

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:

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.

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Protective Action Criteria for Chemicals

PAC-1:

CAS: 106-97-8	butane, pure	5500* ppm
CAS: 74-98-6	propane	5500* ppm

PAC-2:

CAS: 106-97-8	butane, pure	17000** ppm
CAS: 74-98-6	propane	17000** ppm

PAC-3:

CAS: 106-97-8	butane, pure	53000*** ppm
CAS: 74-98-6	propane	33000*** ppm

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.

Particular danger of slipping on leaked/spilled product.

Remove contaminated clothing.

Keep away from food, drink and animal feeding stuffs.

Wash hands before breaks 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.

Pressurized 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 on a naked flame or any incandescent material.

Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurized containers.

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:

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Storage class: 2 B - pressurized gas (aerosol)

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

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 constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

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

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CAS: 106-97-8 butane, pure

REL Long-term value: 1900 mg/m³, 800 ppm

TLV Short-term value: 2370 mg/m³, 1000 ppm
(EX)

CAS: 74-98-6 propane

PEL Long-term value: 1800 mg/m³, 1000 ppm

REL Long-term value: 1800 mg/m³, 1000 ppm

TLV refer to Appendix F in TLVs&BEIs book; D, EX

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 AX

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.

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:

Form: Aerosol

Color: Colorless

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Odor:	Nearly odorless
Odor threshold:	Not determined.
Change in condition	
Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	<65 °C (<149 °F)
Flash point:	<-20 °C (<-4 °F)
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Auto igniting:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
Explosion limits:	
Upper:	
Oxidizing properties	Non oxidising.
Density at 20 °C (68 °F):	0.7 g/cm ³ (5.84 lbs/gal)
Relative density	Not determined.
Evaporation rate	Not applicable.
Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.
Other information	No further relevant information available.

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.

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:

CO₂, CO, NO_x

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

US

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11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are 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:

on the skin: No irritant effect.

on the eye: Irritating effect possible.

Sensitization: Sensitization possible through skin contact.

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)

None of the ingredients is listed.

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:

CAS: 106-97-8 butane, pure

EC50 / 48 h	69.43 mg/l (Daphnia magna)
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LC50 / 96 h	49.9 mg/l (fish)
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CAS: 74-98-6 propane

EC50 / 48 h	69.43 mg/l (Daphnia magna)
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LC50 / 96 h	49.9 mg/l (fish)
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CAS: 8028-48-6 Orange juice oil

LC50	0.7 mg/l /96h (Pimephales promelas)
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EC50 / 48 h	0.4 mg/l (Daphnia magna)
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NOEC	4 mg/l /96h (algae)
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Persistence and degradability No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential Bioaccumulation is not to be expected.

Mobility in soil No further relevant information available.

Ecotoxicological effects:

Remark: Toxic to aquatic life with long lasting effects.

General notes:

Water hazard class 2 (Self-assessment): hazardous for water

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Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

Results of PBT and vPvB assessment

PBT: Not applicable.

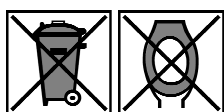
vPvB: Not applicable.

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

UN1950

UN proper shipping name

DOT

Aerosols, non-flammable

IMDG

AEROSOLS

IATA

AEROSOLS, non-flammable

Transport hazard class(es)

DOT



Class

2.1

Label

2.1

IMDG, IATA



Class

2.1

Label

2.1

Packing group

DOT, IMDG, IATA

not regulated

Environmental hazards:

Product contains environmentally hazardous substances:
2,2,4-trimethylpentane

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Special precautions for user Hazard identification number (Kemler code): - EMS Number: Stowage Code Segregation Code	Warning: Gases <i>F-D,S-U</i> <i>SW1 Protected from sources of heat.</i> <i>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.</i> <i>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.</i> <i>For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2.</i> <i>For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.</i>
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	<i>Not applicable.</i>
Transport/Additional information: DOT Quantity limitations	 <i>On passenger aircraft/rail: 75 kg</i> <i>On cargo aircraft only: 150 kg</i>
IMDG Limited quantities (LQ) Excepted quantities (EQ)	 <i>1L</i> <i>Code: E0</i> <i>Not permitted as Excepted Quantity</i>
UN "Model Regulation":	<i>UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS</i>

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):

None of the ingredients is listed.

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.

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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)

None of the ingredients is listed.

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

None of the ingredients is listed.

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 and 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

Date of preparation / last revision 01/18/2021 / 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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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

Flam. Aerosol 1: Aerosols – Category 1

Skin Sens. 1: Skin sensitisation – 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>.