According to Regulation (EC) No 1907/2006

Gasolbehållare

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

1.1. Product identifier

Trade name

Gasolbehållare

Name of the chemical

Butane Propane

Article No.

17-975

UFI code

9MJM-RA00-HC6A-3P0M

Contains

Mixture of gas

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

Product type

Non Refillable (Disposable) Gas Cartridges of Type COLLAR NOTCH (227gr net weight).

Relevant identified uses

Non Refillable (Disposable) Gas Cartridges of Type COLLAR NOTCH (227gr net weight).

1.3. Details of the supplier of the safety data sheet

Supplier

BILTEMA SWEDEN AB

Street address
Garnisonsgatan 26, 2nd FL
SE-254 66 Helsingborg
Sweden

Telephone
+46 77 520 00 00

Email
kundservice@biltema.com

Web site
www.biltema.se

1.4. Emergency telephone number

No data available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Classification

Flammable gases, hazard category 1
Gases under pressure, Compressed gas

Hazard statements

H220, H280

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms

Signal word

Danger

Hazard statements

H220 Extremely flammable gas.
H280 Contains gas under pressure; may explode if heated.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P377 Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
P381 Eliminate all ignition sources if safe to do so.
P403 Store in a well-ventilated place.
P410 Protect from sunlight.
P501 Dispose of contents/container to in accordance with local/regional/national/international regulations.

2.3. Other hazards

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
butane	106-97-8 203-448-7 - 601-004-00-0	95%	Flam. Gas 1A, Press. Gas	H220 - -	C U
propane	74-98-6 200-827-9 - 601-003-00-5	5%	Flam. Gas 1A, Press. Gas	H220 - -	U

Substance additional information

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Remove person to fresh air. If signs/symptoms continue, get medical attention.
Continued exposure may result in unconsciousness and/or death.

Skin contact

Not irritate the skin in most cases.
However, long sleeved shirts and long trousers made from natural materials should be worn when handling.
In case of skin contact Wash off immediately with plenty of water for at least 15 minutes.
Jewelry and other objects abutting to skin, may be removed where feasible
In case of frostbite : Try to warm up the frozen tissues and seek for medical attention.
To avoid the risk of static discharges and gas ignition, soak contaminated clothing thoroughly with water before removing it
See a doctor.

Eye contact

Remove contact lenses. Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes.
Get medical attention.

Ingestion

Call a physician immediately.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation

Headaches, dizziness, cough, respiration failure, unconsciousness.

Skin contact
Usually it is not skin irritating. Rarely, in case of direct and extent skin contact, it might cause frostbite.

Eye contact
irritation

Ingestion
Consult a physician.

4.3. Indication of any immediate medical attention and special treatment needed
No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media
use dry chemical, CO2, water spray or "alcohol" foam

Unsuitable extinguishing media
Do NOT use water jet.

5.2. Special hazards arising from the substance or mixture
Incomplete combustion creates toxic CO the inhalation of which is particularly hazardous
Leaking gas fire: do not extinguish, unless leak can be stopped safely.

5.3. Advice for firefighters
Special protective equipment for fire-fighters
As soon as a fire breaks out, evacuate all exposed flammable materials and LPG products.
Cool closed containers exposed to fire with water spray.
Protect personnel with fire protective clothing, great quantities of water spray or fireproof wall.
Do not enter enclosed or confined space without proper protective equipment including self-contained breathing apparatus.
Additional information: Cool endangered receptacles with water spray. If a cartridge that is connected to an appliance catches fire, do not throw or turn it upside-down, as this can only exacerbate the problem (spilling of liquid gas or container rupture). Never tip a container on fire. Keep people away. Try to close the valve, protecting your hands and forearms with a wet cloth. If possible, take the container outside without lying it down.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Provide sufficient air exchange and/or exhaust in work rooms. Do not breathe .?. gas

6.2. Environmental precautions
Release to ground water Do not let product enter drains. Inform the responsible authorities in case of gas leakage, or of entry into waterways, soil or drains.

6.3. Methods and material for containment and cleaning up

Avoid contact with skin. Avoid breathing vapors, mist or gas. Ventilate the area. Allow to evaporate. Remove all sources of ignition. Take precautionary measures against static discharge. Local authorities should be advised if significant spillages cannot be contained.

6.4. Reference to other sections

7, 8, 13 Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

Follow the instructions for use issued by the producer.
Use only in well-ventilated areas.
Do not smoke.
Opened containers must be carefully closed and stored upright to prevent leakage.
Odorizationallows a 0.5% gas content in the air to be detected. If the smell of gas is detected, search for the leak with soapy water before using the appliance. Never look for a leak with a naked flame.
Never refill an empty container.
Keep away from heat.
Take action against static electricity.
Keep product and empty container away from heat and sources of ignition.
Do not spray on a naked flame or any other incandescent material.
Do not pierce or burn, even after use. Do not spray on naked flame or any incandescent material.
Changing the cartridge: assemble or dismantle cartridge from appliance outdoors only.
missing phrase ## (P00.00000250.7030) Do not smoke during handling. Take measures to prevent the build up of electrostatic charge

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed in a dry, cool and well-ventilated place.
Keep away from heat and sources of ignition.
Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.
Do not store below floor level (basement or cellar).
Store away from low-level points where vapors can accumulate.
Avoid contact with strong oxidizing agents and keep away from combustible materials.
Use only electrical equipment adapted (explosion proof) in the danger zones.
missing phrase ## (P00.00000310.7030)
S 7/8 - Keep container tightly closed and dry.
Keep cool and protect from sunlight.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure controls

Appropriate engineering controls

Prevention of fire and explosion
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only with adequate ventilation.

Eye / face protection

safety glasses with side-shields
Wear goggles when transfilling or breaking transfer connections.

Thermal hazards

Wear cold insulating gloves / face protection / eye protection.

Other

Personal protective equipment

safety shoes
flame retardant antistatic protective clothing
leather gloves

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Gas

Colour

colourless

Odour

Unpleasant

Odour threshold

5000 ppm

Melting point / freezing point

-138°C

Boiling point or initial boiling point and boiling range

-0.5 °C

Flammability

No data available

Lower and upper explosion limit
1.4 - 9.4 %

Flash point
< -60 °C

Auto-ignition temperature
400 °C

Decomposition temperature
No data available

pH
No data available

Kinematic viscosity
No data available

Solubility
No data available

Water solubility
88mg/l

Partition coefficient n-octanol/water
No data available

Vapour pressure
200kpa

Density and/or relative density
0.573 g/cm 3(25 °C) / 2,1

Relative density
0,6

Relative vapour density
No data available

Explosive properties
Product is not explosive. However, formation of explosive air/ vapor mixtures is possible

9.2. Other information
liquefied gas
Vapours are heavier than air and may spread along floors.

SECTION 10: Stability and reactivity

10.1. Reactivity
None Reactivity

10.2. Chemical stability

Stable at normal conditions

10.3. Possibility of hazardous reactions

Vapours may form explosive mixture with air.
May react violently with oxidants.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Oxidizing Material
Nickel carbonyl
Oxygen Mixtures.

10.6. Hazardous decomposition products

Thermal decomposition or burning may produce carbon monoxide, carbon dioxide, and hydrogen.
The welding and cutting process may form reaction products such as carbon monoxide and carbon dioxide
Other decomposition products of normal operation originate from the volatilization, reaction, or oxidation of the material being worked

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Duration of exposure
butane 106-97-8 / 203-448-7	LC50 Inhalation	658 g/m3	4 h

Skin corrosion/irritation

No known effects.

Serious eye damage/irritation

No known effects.

Respiratory or skin sensitisation

No known effects.

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.

Aspiration hazard

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

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

Persistence and degradability

Product / Substance name CAS / EC no.	Remark
butane 106-97-8 / 203-448-7	Ämnet är biologiskt nedbrytbart. Osannolikt att bestå.

12.3. Bioaccumulative potential

Bioaccumulative potential

Product / Substance name CAS / EC no.	LogKow / LogPow	Result	Remark
butane 106-97-8 / 203-448-7	Log Pow	2.89	Not expected to bioaccumulate due to the low log Kow (log kow <4)

12.4. Mobility in soil

Mobility

Product / Substance name CAS / EC no.	Mobility
butane 106-97-8 / 203-448-7	Because of its high volatility , the product is unlikely to cause ground or water pollution.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

12.6. Endocrine disrupting properties

Not applicable

12.7. Other adverse effects

No data available

Other

Gas accidentally released into the atmosphere is rapidly diluted and undergoes photochemical decomposition.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

/*D only*/Do not put rest of product into household waste. It should be given in the original package to the official waste disposal authorities.
Do not empty into drains.
in accordance with local/regional/national/international regulations
As the containers of LPGs always contain flammable vapours, never pierce or burn a cartridge, even when they are empty.

Packaging

Electrolytic tinplate (cartridges).

SECTION 14: Transport information

14.1. UN number

2037

14.2. UN proper shipping name

RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillable

14.3. Transport hazard class(es)

Label

2.1

ADR / RID Class

2

ADR / RID Classification code

5F

ADN Class
2

ADN Class Code
5F

14.4. Packing group
Not applicable

14.5. Environmental hazards
Not applicable

14.6. Special precautions for user
Tunnel restriction code D
Transport category 2

14.7. Maritime transport in bulk according to IMO instruments
Not applicable

Other
Limited quantities: 1 L

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU regulations
EU Regulation (EC) No. 1907/2006 (REACH) CLP - Regulation (EC) No 1272/2008

15.2. Chemical safety assessment
No data available

SECTION 16: Other information

Abbreviations
ADR: Accord européen sur le transport des marchandisesdangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)

References to key literature and data sources
Reg. 1907/2006/EC (REACH), 1272/2008/EC (CLP) & 453/2010/EC

Phrase meaning

Flam. Gas 1A - Flammable gases, hazard category 1A
Press. Gas - Gases under pressure
H220 Extremely flammable gas.

Other

Additional information

Read instructions before using.