

Safety data sheet

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

1.1. Product identifier

Trade name: Biolet, Gas-can.

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

Recommended uses: Gas for weedwands.

1.3. Details of the supplier of the safety data sheet

Supplier: OPJ Handel A/S
Volderslevvej 36
5260 Odense S
Denmark
Tel: +45 66151030

1.4. Emergency telephone number

Emergency phone: +45 66 15 10 15

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

DPD-classification (Directive 1999/45/EC): F+;R12

CLP-classification (Regulation (EC) No 1272/2008): Flam. Gas 1;H220 Press. Gas comp. gas; H280

Please see section 16 for the full text of R-phrases and H-phrases.

Most serious harmful effects: Extremely flammable gas. Contains gas under pressure, may explode if heated. Splashes of gas in the eyes may cause frostbite. Direct contact may cause frostbite. The skin becomes numb and white. Pains, reddening and wounds follow.

2.2. Label elements



Signal word: Danger

H-phrases: Extremely flammable gas.(H220)
Contains gas under pressure, may explode if heated.(H280)

P-phrases: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.(P210)
Leaking gas fire: Do not extinguish, unless leak can be stopped safely.(P377)
Store in a well-ventilated place.(P403)

2.3. Other hazards

The product does not contain any PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Registration number	CAS/ EC No.	Substance	DSD-classification (Directive 67/548/EEC)/ CLP-classification (Regulation (EC) No 1272/2008)	w/w%	Note
.	106-97-8	Butane (containing < 0,1 % butadiene (203-450-8))	Fx;R12	70	.
.	203-448-7		Fam. Gas 1;H220 Press. Gas;H280	.	.
.	74-98-6	.	Fx;R12	30	.
.	200-827-9	Propane	Fam. Gas 1;H220 Press. Gas;H280	.	.

Please see section 16 for the full text of R-phrases and H-phrases.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:	Seek fresh air. In case of respiratory stop, administer artificial respiration/oxygen (but not the mouth-to-nose method)
Ingestion:	Not relevant, as the product is a gas.
Skin:	Seek medical advice immediately if symptoms indicate that the gas has been absorbed through the skin. On frostbite: rinse with plenty of lukewarm water (max 37°C). Do not remove clothes until thawed. Seek medical advice.
Eyes	Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice in case of frostbite.
Burns:	Flush with water until pain ceases. Remove clothing that is not stuck to the skin – seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.

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

Splashes of gas in the eyes may cause frostbite. Direct contact may cause frostbite. The skin becomes numb and white. Pains, reddening and wounds follow.

4.3. Indication of any immediate medical attention and special treatment needed

In case of shortness of breath, give oxygen.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with powder, foam, carbon dioxide or water mist. Use water or water mist to cool non-ignited stock.
Unsuitable extinguishing media	Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Heating will induce a significant increase in pressure with a risk of bursting. Remove the pressurized cylinder from the danger area if it can be done without risk. Keep well away from the fire. Cool with a water stream if possible. Avoid inhalation of vapour and flue gases – seek fresh air.

5.3. Advice for firefighters

Wear gas-tight suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:	Provide adequate ventilation. Smoking and naked flames prohibited.
For emergency responders:	In addition to the above: Protective suit equivalent to EN 368, type 3, is recommended.

6.2. Environmental precautions

Avoid unnecessary release to the environment.

6.3. Methods and material for containment and cleaning up

Provide good ventilation.

6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

The product should be used outdoors. Smoking and naked flames prohibited.

7.2. Conditions for safe storage, including any incompatibilities

Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50°C.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Legal basis:

Contains no substances subject to reporting requirements.

8.2. Exposure controls

Appropriate engineering controls:

Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection:

Wear safety goggles if there is a risk of eye splash. Eye protection must conform to EN 166.

Personal protective equipment, skin protection:

Wear gloves that protect against cold and pressure effects, e.g. strong leather gloves. The gloves must be loose enough to be shaken off easily.

Personal protective equipment, respiratory protection:

In case of insufficient ventilation, wear respiratory protective equipment. Use air-supplying respiratory protective equipment as the product contains liquids with a low boiling point which are poorly adsorbed on charcoal filters. Respiratory protection must conform to one of the following standards: EN 136/140/145.

Environmental exposure controls:

Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State:	Gas
Colour:	Colourless
Odour:	No data
Odour threshold:	No data
pH (solution for use):	No data
pH (concentrate):	No data
Melting point/freezing point:	No data
Initial boiling point and boiling range:	-2°C
Flash point:	-60°C
Evaporation rate:	No data
Flammability (solid, gas):	No data
Upper/lower flammability limits:	No data
Upper/lower explosive limits:	No data
Vapour pressure:	2 bar (25°C)
Vapour density:	No data
Relative density:	No data
Solubility:	No data
Partition coefficient n-octanol/water:	No data
Auto-ignition temperature:	410 - 550°C
Decomposition temperature:	No data
Viscosity:	No data
Explosive properties:	No data
Oxidising properties:	No data

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Not reactive.

10.2. Chemical stability

Stable gas mixture.

10.3. Possibility of hazardous reactions

No risk of hazardous reactions.

10.4. Conditions to avoid

Avoid heating and contact with ignition sources. Avoid temperatures >50°C.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral:	By normal handling, gases cannot be ingested. The product does not have to be classified. Test data are not available.
Acute toxicity - dermal:	The product does not have to be classified. Test data are not available.
Acute toxicity - inhalation:	The product does not have to be classified. Test data are not available.
Skin corrosion/irritation:	Direct contact may cause frostbite. The skin becomes numb and white. Pains, reddening and wounds follow. The product does not have to be classified. Test data are not available.
Serious eye damage/eye irritation:	Splashes of gas in the eyes may cause frostbite. The product does not have to be classified. Test data are not available.
Respiratory sensitisation or skin sensitisation:	The product does not have to be classified. Test data are not available.
Germ cell mutagenicity:	The product does not have to be classified. Test data are not available.
Carcinogenic properties:	The product does not have to be classified. Test data are not available.
Reproductive toxicity:	The product does not have to be classified. Test data are not available.
Single STOT exposure:	The gas may displace atmospheric air, thereby causing risk of suffocation. The product does not have to be classified. Test data are not available.
Repeated STOT exposure:	The product does not have to be classified. Test data are not available.
Aspiration hazard:	The product does not have to be classified. Test data are not available.
Other toxicological effects:	None known.

SECTION 12: Ecological information

12.1. Toxicity

The product does not have to be classified.

12.2. Persistence and degradability

Not relevant.

12.3. Bioaccumulative potential

No bioaccumulation expected.

12.4. Mobility in soil

Not relevant.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Avoid unnecessary release to the environment.

Return empty pressure containers to the supplier.

SECTION 14: Transport information**ADR/RID**

14.1. UN number	2037
14.2. UN proper shipping name	RECEPTACLES, SMALL, CONTAINING GAS
14.3. Transport hazard class(es)	2.1
14.4. Packing group	-
Hazard identification number	
Tunnel restriction code:	D
14.5. Environmental hazards	The product should not be labelled as an environmental hazard (symbol: fish and tree).

ADN

14.1. UN number	2037
14.2. UN proper shipping name	RECEPTACLES, SMALL, CONTAINING GAS without a release device, non-refillable, flammable
14.3. Transport hazard class(es)	2.1
14.4. Packing group	
14.5. Environmental hazards	The product should not be labelled as an environmental hazard (symbol: fish and tree).
Environmental hazard in tank vessels:	-

IMDG

14.1. UN number	2037
14.2. UN proper shipping name	RECEPTACLES, SMALL, CONTAINING GAS without a release device, non-refillable
14.3. Transport hazard class(es)	2.1
14.4. Packing group	-
14.5. Environmental hazards	The product is not a Marine Pollutant (MP).
IMDG Code segregation group:	-

ICAO/IATA

14.1. UN number	2037
14.2. UN proper shipping name	RECEPTACLES, SMALL, CONTAINING GAS (flammable) without a release device, non-refillable
14.3. Transport hazard class(es)	2.1
14.4. Packing group	
14.5. Environmental hazards	The product should not be labelled as an environmental hazard (symbol: fish and tree).

14.6. Special precautions for user

None.

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

Not applicable.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Special provisions: Directive 2012/18/EU (Seveso), P2 FLAMMABLE GASES: Column 2: 10 t, Column 3: 50 t.

15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

SECTION 16: Other information

Abbreviation explanations:

PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very Persistent and Very Bioaccumulative

	STOT: Specific Target Organ Toxicity
Classification method:	Calculation based on the hazards of the known components.
R-phrases:	R12 Extremely flammable.
H-phrases:	H220 Extremely flammable gas. H280 Contains gas under pressure, may explode if heated.
Training:	A thorough knowledge of this safety data sheet should be a prerequisite condition.
Other information:	This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

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