



Butane, Butane Propane Mixed, Butane-Propane, Performance, Hyperperformance, Extreme

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 09/01/2024 Revision date: 09/01/2024 Supersedes version of: 01/02/2023 Version: 2.0

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

1.1. Product identifier

Product form	: Substance
Trade name	: Butane, Butane Propane Mixed, Butane-Propane, Performance, Hyperperformance, Extreme, All Season
UFI	: 0S23-1THX-W70V-66R5
Type of product	: RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES)
Product group	: Trade product

Type of containers	Contained gas				
	Butane	Butane propane	Mixed Butane-Propane / Performance	Hyperperformance / Extreme	Isobutane Propane
GAS CARTRIDGES					
Campingaz GT 106 (90 g)		X			
Campingaz C206 (190 g)	X	X			
Campingaz CV206 (190 g)		X			
Coleman C190 (190 g)		X			
Coleman C190 GLS (190 g)		X			
Campingaz C206GLS	X				
Campingaz C206GLS Super		X			
Campingaz CT200		X			
Coleman C100 (97 g)			X		
Coleman C250 (220 g)			X		
Coleman C500 (440 g)			X		
Campingaz CV270 (230 g)	X	X			
Campingaz CV270 Plus (230 g)	X	X			
Campingaz Theophilos (240 g)	X				
Campingaz CV300 Plus (240g)		X			
Campingaz CV360 (52g)	X				
Campingaz CV470 (450 g)	X	X			
Campingaz CV470 Plus (450 g)	X	X			
Campingaz CG1750 (170 g)			X		
Campingaz CG3500 (350 g)			X		
Campingaz CP250 (250 g)	X				
Campingaz CP250 & CP250 SP (220 g)	X				
Campingaz EL Greco CV470 (450g)	X				
Campingaz EL Greco CV470 plus (450g)	X				
Taymar-Campingaz T 1750 (170 g)			X		
Taymar-Campingaz T 3500 (350 g)			X		
Taymar-Campingaz RF 80 (185 g)	X				
Taymar-Campingaz RF 89 (277 g)	X				

1/9/2024 (Revision date)

GB - en

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APPLICATION DES GAZ

S.A.S. au capital de 2 000 000 Euros – 572 051 571 RCS Lyon – APE 2529Z
Siège social : 219 Route de Brignais – BP 55 – 69563 Saint-Genis-Laval Cedex – France
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Taymar-Campingaz RF 90 (350 g)	X				
Instafiam 190 (190g)	X				
Instafiam 190 GLS (190g)	X				
Flama 190 (190g)	X				
Campingaz CG1750 HY (170 g)				X	
Campingaz CG3500 HY (350 g)				X	
Campingaz CG3500 GA (350 g)			X		
Coleman C100 Performance (97 g)			X		
Coleman C300 Performance (240 g)			X		
Coleman C100 Extreme (97 g)				X	
Coleman C100 Extreme 2.0 (100 g)				X	
Coleman C300 Extreme (230g)				X	
Coleman C500 Performance (440g)			X		
Campingaz CV 470 Plus All Season (425 g)					X

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

1.2.1. Relevant identified uses

Intended for general public

Main use category

: Consumer use, Professional use

Use of the substance/mixture

: PETROLEUM GASES, LIQUEFIED

Fuels

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

APPLICATION DES GAZ

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FR- 69563 ST GENIS LAVAL

FRANCE

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CSUK@newellco.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Edinburgh Centre) Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA	0344 892 0111	Only for healthcare professionals



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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable gases, Category 1A

H220

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

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

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS02

Signal word (CLP)

: Danger

Hazard statements (CLP)

: H220 - Extremely flammable gas.

Precautionary statements (CLP)

: 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 - In case of leakage, eliminate all ignition sources.
P403 - Store in a well-ventilated place.

Child-resistant fastening

: Not applicable

Tactile warning

: Applicable, Does not apply to transportable gas receptacles.

2.3. Other hazards

PBT: not relevant – no registration required

vPvB: not relevant – no registration required

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

Other information

: Contact with the liquid the may cause cold burns/frostbite.
High concentration of vapours may induce: headache, dizziness, drowsiness, nausea and vomiting.

ED: not relevant – no registration required

Butane and its mixtures are produced, stored, transported and distributed under pressure in liquefied form. They are never subjected, under normal conditions, to direct handling because they are confined, without interruption, in closed systems until final destruction by combustion (use). The precautions to take are, above all, to maintain containment. However, certain specific precautions are indicated to prevent or deal with accidental venting resulting from possible leaks.

Physico-chemical properties Extremely flammable



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In the event of a leak, the gas, heavier than air, collects in the lower parts, in the absence of ventilation. The intense heating of a container can lead to its rupture and to the spreading of the product; ignition of vapors may cause deflagration or explosion.

Danger for humans In the gaseous state: Inhalation of vapors at high concentration can cause drowsiness, intoxication, narcosis and in extreme cases, coma due to oxygen depletion (anesthetic and asphyxiating effect). In the liquid state: Burns from the cold, especially in the event of projection.

Environmental hazard No known hazard under normal conditions.

SECTION 3: Composition/information on ingredients

3.1. Substances

Comments : Listed in Annex IV / V REACH, exempted from registration.
Hydrocarbon mixtures consisting mainly of butanes, butenes, propane and propene, odorised by mercaptan.

Name	Product identifier	%
Hydrocarbons, C3-4-rich, petroleum distillate; Petroleum gas; [A complex combination of hydrocarbons produced by distillation and condensation of crude oil. It consists of hydrocarbons having carbon numbers in the range of C3 through C5, predominantly C3 through C4.] (Note K)(Note U)	CAS-No.: 68512-91-4 EC-No.: 270-990-9 EC Index-No.: 649-083-00-0 REACH-no: exempted from registration.	≤ 100

Full text of H- and EUH-statements: see section 16

Note K: The harmonised classification as a carcinogen or mutagen applies unless it can be shown that the substance contains less than 0,1 % w/w 1,3- butadiene (Einecs No 203-450-8), in which case a classification in accordance with Title II of this Regulation shall be performed also for those hazard classes. Where the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P210-P403 shall apply.

Note U: When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case. The following codes are assigned: Press. Gas (Comp.), Press. Gas (Liq.), Press. Gas (Ref. Liq.), Press. Gas (Diss.). Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1, Note 2).

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Respiratory problems: consult a doctor/medical service. Give oxygen or artificial respiration if necessary.



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First-aid measures after skin contact	: Immediately call a POISON CENTER/doctor. Rinse skin with plenty of water or shower. In case of frostbite spray with water for at least 15 minutes. Apply a sterile dressing. Obtain medical assistance. Do not remove clothing if it sticks to the skin. Take off contaminated clothes, wash skin with plenty of water or have a shower (during minimum 15 minutes) and if necessary take medical advice.
First-aid measures after eye contact	: 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.
First-aid measures after ingestion	: Ingestion unlikely. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects	: May cause drowsiness or dizziness. In low concentrations may cause narcotic effects. Symptoms may include dizziness, headache, nausea and loss of co-ordination.
Symptoms/effects after skin contact	: Contact with the liquefied gas causes frostbite.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide. Water spray. Dry powder.
Unsuitable extinguishing media	: Do not use foam. Strong water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Extremely flammable gas.
Explosion hazard	: Contains gas under pressure; may explode if heated.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Incomplete combustion may form carbon monoxide. Aspiration hazard. Under certain conditions, the accidental intense heating (e.g. in the event of a fire) of a butane container can lead to the rupture and dispersion of the product, whose vapours can ignite and cause an explosion.

5.3. Advice for firefighters

Precautionary measures fire	: Evacuate area. Evacuate unnecessary personnel.
Firefighting instructions	: Try to stop release if without risk. Eliminate all ignition sources if safe to do so. Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.



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Other information

- : Gas/vapour heavier than air. May accumulate in confined spaces, particularly at or below ground level. Cool containers / tanks with spray water if possible. As soon as the fire starts, remove flammable materials and exposed LPG containers. Cool un-evacuated containers extensively with water spray.
Do not use water spray on cylinders if they have been heated.
If a container connected to an appliance catches fire, do not throw it away or spill it, as this would increase the danger (escape of liquid gas, rupture of the container, etc.).
Never put a burning container down, as the butane would then burn in the liquid phase. Try to close the tap by protecting yourself, in particular your hands and forearms, or extinguish the flame only if you are sure you can close the tap.
Protection of responders: Protect personnel with fire-fighting clothing, water curtains or non-combustible screens.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures

- : Remove ignition sources. Evacuate unnecessary personnel. Evacuate area. Isolate from fire, if possible, without unnecessary risk. Gas/vapour heavier than air. May accumulate in confined spaces, particularly at or below ground level. Heavy vapours. Shut off low-level openings in the vicinity (ventilation shafts, drains...). Move containers away from the fire area if this can be done without risk. Notify fire brigade and environmental authorities.
Container leakage: If the leak cannot be stopped by operating the appliance tap, evacuate the leaking container without impact, outside and place it in a safe place without spilling it.
Do not get in eyes, on skin, or on clothing. Stay upwind/keep distance from source.

6.1.1. For non-emergency personnel

Emergency procedures

- : Ventilate spillage area. Evacuate area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment

- : Do not attempt to take action without suitable protective equipment. Shut off source of fuel if possible, and allow fire to burn out. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Other information

- : After evaporation or exposure to the air, the product will be rapidly degraded by photochemical processes.

6.4. Reference to other sections

For further information refer to section 13. For further information refer to section 8: "Exposure controls/personal protection".



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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Do not handle until all safety precautions have been read and understood. Comply with the safety instructions. Keep container closed when not in use. Do not re-use empty containers. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Eliminate all ignition sources if safe to do so.
- Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Take off immediately all contaminated clothing.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed. Store carefully closed containers upright to prevent any leaks.
- Storage conditions : Do not expose to temperatures exceeding 50 °C/ 122 °F. Store according to local legislation. Keep container tightly closed in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight. Store butane in accordance with the appropriate regulations depending on the nature and quantities stored. If the storage is large, it may fall under the regulations on Installations Classified for Environmental Protection (ICPE) and must be declared or authorised. In this case, the applicable provisions indicated in the texts on Classified Installations must be complied with. Do not store below ground level (e.g. cellar or basement). Store away from low points where vapours can accumulate. Do not store containers in a vehicle (heating in the sun). Only use containers intended for butane that comply with the regulations. Use suitable electrical equipment (explosion-proof, intrinsically safe, etc.) in hazardous areas.
- Incompatible products : Strong oxidizers.
- Incompatible materials : combustible materials.
- Storage temperature : < 50 °C
- Heat and ignition sources : Keep away from open flames, hot surfaces and sources of ignition.
- Information on mixed storage : Keep away from food, drink and animal feedingstuffs.
- Storage area : Store in a well-ventilated place. Keep cool. Store in a dry place.
- Packaging materials : aluminium, iron and steel.

7.3. Specific end use(s)

See Section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values



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United Kingdom - Occupational Exposure Limits

Local name	Butane
WEL TWA (OEL TWA) [1]	1450 mg/m ³
WEL TWA (OEL TWA) [2]	600 ppm
WEL STEL (OEL STEL)	1810 mg/m ³
WEL STEL (OEL STEL) [ppm]	750 ppm
Remark	Carc (Capable of causing cancer and/or heritable genetic damage, only applies if Butane contains more than 0.1% of buta-1,3-diene)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

No open flames, no sparks, and no smoking. Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Chemical goggles or safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear fire/flame resistant/retardant clothing. Use footwear with anti-static or anti-spark features



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Hand protection:

Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Time of penetration is to be checked with the glove producer. Protective gloves. cold insulating gloves. Leather protective gloves

Other skin protection

Materials for protective clothing:

Protective helmet. Flame retardant antistatic protective clothing

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Consumer exposure controls:

No information available.

Other information:

Only experienced and properly instructed persons should handle gases under pressure. The substance must be handled in accordance with good industrial hygiene and safety procedures.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Gas
Colour	: Colourless.
Appearance	: Liquid under pressure.
Odour	: characteristic.
Odour threshold	: The product is treated to emit a characteristic odour
Melting point	: Not applicable
Freezing point	: Not applicable
Boiling point	: -27 – -3 °C 1 atm
Flammability	: Extremely flammable gas.
Explosive limits	: Not available
Lower explosion limit	: 1.5 vol %
Upper explosion limit	: 8.8 vol %
Flash point	: < -50 °C
Auto-ignition temperature	: > 400 °C
Decomposition temperature	: Not available
pH	: Not applicable
Viscosity, kinematic	: Not applicable
Solubility	: Poorly soluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 2.05 – 3.45 bar at 15 °C

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Vapour pressure at 50°C	: 6.9 – 10 bar
Density	: 0.482 – 0.525 kg/l at 50 °C
Relative density	: Not applicable
Relative vapour density at 20°C	: Not available
Relative gas density	: 1.8 – 2.01 T=15°C - P=1 bar
Particle characteristics	: Not applicable

	Butane	Super butane	Mixture Butane - Propane / Performance	Hyperperformance / Extreme
Boiling To under 1 atm. approx.	-3°C	-18°C	-23°C	-27°C
Relative vapour pressure (bar)max. at 15°C approx	2,05	2.32	2.69	3.45
Relative vapour pressure (bar)max. at 50°C approx	6.9	7.5	8.3	10
Density (liquid at 50°C) kg/l min.	0.525	0.513	0.500	0.482
Density (T° = 15°C, P = 1 atm) approx.	2.01	1.95	1.89	1.84

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

Gas group	: Press. Gas (Liq.)
Other properties	: Evaporation rate: Butane: 1 litre of liquid butane at atmospheric pressure produces a vapour volume of approximately 230 litres.

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable gas.



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10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Combustible materials. Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. On combustion, forms: carbon oxides (CO and CO₂). Steam.

SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met. High concentration of vapours may induce: headache, dizziness, drowsiness, nausea and vomiting)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: Contact with the liquid the may cause cold burns/frostbite
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
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Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met)
 Hazardous to the aquatic environment, long-term (chronic) : Not classified (Based on available data, the classification criteria are not met)

12.2. Persistence and degradability

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Persistence and degradability	Product evaporates rapidly when in contact with the air. After evaporation or exposure to the air, the product will be rapidly degraded by photochemical processes.
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12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

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PBT: not relevant – no registration required

vPvB: not relevant – no registration required

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Ensure all national/local regulations are observed.
Waste treatment methods	: Following use, do not pierce or burn the packaging, even if it is empty. Handle empty containers with care, as residual vapors are flammable. Once used, the cartridges are disposable and cannot be refilled. The metal that makes up the majority of the packaging is recyclable. As such, we recommend completely emptying the cartridge before throwing it away, using it with the device for which it is intended, in the context of normal use in accordance with the instructions for use. Do not disconnect the pierceable cartridge. Burn the gas before any removal and make sure it is empty by shaking it (no liquid noise).. Dispose of the contents/container in accordance with the sorting instructions of the approved collector. Emptying of a container should only be carried out by specially trained personnel in accordance with appropriate procedures and facilities. Observe waste regulations for the disposal of empty cartridges.



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Product/Packaging disposal recommendations	: Empty the packaging completely prior to disposal. When totally empty, containers are recyclable like any other packing.
Ecology - waste materials	: Do not dispose of this product into the environment. When not empty dispose of this container at hazardous or special waste collection point.
European List of Waste (LoW) code	: Code Waste to be completed according to the use and the list of Decision 2000/352 / EC
Packaging material	: CV 360, MAX 300: aluminum body
Other cartridges	: sheet steel
Refillable tanks	: steel

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 2037	UN 2037	UN 2037	UN 2037	UN 2037
14.2. UN proper shipping name				
RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES)	RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES)	Gas cartridges	RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES)	RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES)
Transport document description				
UN 2037 RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES), 2.1, (D)	UN 2037 RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES), 2.1	UN 2037 Gas cartridges, 2.1	UN 2037 RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES), 2.1	UN 2037 RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES), 2.1
14.3. Transport hazard class(es)				
LQ	LQ	LQ	LQ	LQ
				
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				



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14.6. Special precautions for user

Overland transport

Classification code (ADR)	: 5F
Special provisions (ADR)	: 191, 303, 327, 344
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E0
Packing instructions (ADR)	: P003, LP200
Special packing provisions (ADR)	: PP17, PP96, RR6, L2
Mixed packing provisions (ADR)	: MP9
Transport category (ADR)	: 2
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV9, CV12
Special provisions for carriage - Operation (ADR)	: S2
Tunnel restriction code (ADR)	: D

Transport by sea

Special provisions (IMDG)	: 191, 277, 303, 327, 344, 959
Limited quantities (IMDG)	: SP277
Excepted quantities (IMDG)	: E0
Packing instructions (IMDG)	: P003, LP200
Special packing provisions (IMDG)	: PP96, L2, PP17
EmS-No. (Fire)	: F-D
EmS-No. (Spillage)	: S-U
Stowage category (IMDG)	: B
Stowage and handling (IMDG)	: SW2, SW22
Properties and observations (IMDG)	: Normally contain mixtures of liquefied Butane and Propane in various proportions for use in camping stoves, etc.

Air transport

PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Y203
PCA limited quantity max net quantity (IATA)	: 1kg
PCA packing instructions (IATA)	: 203
PCA max net quantity (IATA)	: 1kg
CAO packing instructions (IATA)	: 203
CAO max net quantity (IATA)	: 15kg
Special provisions (IATA)	: A145, A167, A802
ERG code (IATA)	: 10L

Inland waterway transport

Classification code (ADN)	: 5F
Special provisions (ADN)	: 191, 303, 327, 344
Limited quantities (ADN)	: 1 L
Excepted quantities (ADN)	: E0
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 1



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Rail transport

Classification code (RID)	: 5F
Special provisions (RID)	: 191, 303, 327, 344
Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E0
Packing instructions (RID)	: P003, LP200
Special packing provisions (RID)	: PP17, PP96, RR6, L2
Mixed packing provisions (RID)	: MP9
Transport category (RID)	: 2
Special provisions for carriage - Loading, unloading and handling (RID)	: CW9, CW12
Colis express (express parcels) (RID)	: CE2
Hazard identification number (RID)	: 23

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)

Reference code	Applicable on	Entry title or description
40.	Butane, Butane Propane Mixed, Butane-Propane, Performance, Hyperperformance, Extreme ; Hydrocarbons, C3-4-rich, petroleum distillate; Petroleum gas; [A complex combination of hydrocarbons produced by distillation and condensation of crude oil. It consists of hydrocarbons having carbon numbers in the range of C3 through C5, predominantly C3 through C4.]	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Not listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Not listed on the PIC list (Regulation EU 649/2012)

POP Regulation (Persistent Organic Pollutants)

Not listed on the POP list (Regulation EU 2019/1021)



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Ozone Regulation (1005/2009)

Not applicable.

Seveso Directive (Disaster Risk Reduction)

Seveso III Part II (Named dangerous substances)	Qualifying quantity (tonnes)	
	Lower-tier	Upper-tier
18. Liquefied flammable gases, Category 1 or 2 (including LPG) and natural gas	50	200

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

Ensure all national/local regulations are observed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
1		Added/changed	
2		Added/changed	
3		Added/changed	
6		Added/changed	
7		Added/changed	
11		Added/changed	
13		Added/changed	
15		Added/changed	
16		Added/changed	

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008



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Abbreviations and acronyms:

SDS	Safety Data Sheet
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
vPvB	Very Persistent and Very Bioaccumulative
ATE	Acute Toxicity Estimate
PBT	Persistent Bioaccumulative Toxic
OECD	Organisation for Economic Co-operation and Development
PNEC	Predicted No-Effect Concentration
EC-No.	European Community number
OEL	Occupational Exposure Limit
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
ED	Endocrine disrupting properties

Data sources	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 . 11 ATP Inserted / Updated.
Training advice	: Follow advice on use, storage, maintenance and replacement. Normal use of this product shall imply use in accordance with the instructions on the packaging.
Other information	: Ensure all national/local regulations are observed. Information in this safety data sheet is based on actual knowledge in our possession and our experience. DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of H- and EUH-statements:

Carc. 1A	Carcinogenicity, Category 1A
Flam. Gas 1A	Flammable gases, Category 1A
H220	Extremely flammable gas.



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Full text of H- and EUH-statements:

H280	Contains gas under pressure; may explode if heated.
H340	May cause genetic defects.
H350	May cause cancer.
Muta. 1B	Germ cell mutagenicity, Category 1B
Press. Gas (Comp.)	Gases under pressure : Compressed gas
Press. Gas (Liq.)	Gases under pressure : Liquefied gas

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.