

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

1.1. Product identifier

PROPOWER BUTANE GAS
Aerosol

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

Speciality

1.3. Details of the supplier of the safety data sheet

Premier Farnell
150 Armley Road
Leeds LS12 2QQ
Tel. : +44 (0) 870 129 8608

1.4. Emergency telephone number

+44 (0) 870 202530

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008


Physical	: Aerosols, category 1 Extremely flammable aerosol. Pressurised container: May burst if heated
Health	: Not classified
Environment	: Not classified

Classification according to 67/548/EEC or 1999/45/EC:

Extremely Flammable	
Health	: Not classified
Physical	: R12: Extremely flammable. Extremely Flammable
Environment	: Not classified

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictogram(s)	: 
Signal word	: Danger
Hazard statement(s):	: H222 : Extremely flammable aerosol. H229 : Pressurised container: May burst if heated.
Precautionary statement(s)	: P102 : Keep out of reach of children. 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. P410/412 : Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P501-2 : Dispose of contents/container to an authorised waste collection point.

2.3. Other hazards

In case of contact with liquid product frostbite symptoms may occur.

Aerosols may explode if heated above 50°C

Without adequate ventilation formation of explosive mixtures may be possible.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Hazardous ingredient	CAS-nr.	EC-nr	w/w %	Symbol	R-phrases*	Notes
Hydrocarbons,C3-4-rich, petroleum distillate Petroleumgas (1,3-butadiene < 0.1%)	68512-91-4	270-990-9	60-100	F+	12	K,G
Explanation notes						
G : exempted from the obligation to register in accordance with art.2(7)(a)of REACH Regulation No 1907/2006						
K : not classified as carcinogen, less than 0.1% w/w 1,3-butadiene (Einecs-nr. 203-450-8)						

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
Hydrocarbons,C3-4-rich, petroleum distillate Petroleumgas (1,3-butadiene < 0.1%)	-	68512-91-4	270-990-9	60-100	Press. Gas, Flam. Gas 1	H280, H220	K,G
Explanation notes							
G : exempted from the obligation to register in accordance with art.2(7)(a)of REACH Regulation No 1907/2006							
K : not classified as carcinogen, less than 0.1% w/w 1,3-butadiene (Einecs-nr. 203-450-8)							

(*Explanation phrases : see chapter 16)

SECTION 4: First aid measures

4.1. Description of first aid measures

- Contact with eyes : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- Contact with skin : In case of contact with liquid, thaw frosted parts with water, remove clothing carefully and wash with soap & water.
Seek medical attention if irritation persists
- Inhalation : Fresh air, keep warm and at rest. If breathing is difficult give oxygen Apply artificial respiration only if patient is not breathing.
- Ingestion : Ingestion is unlikely to occur

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

- Inhalation : Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness
- Ingestion : Ingestion is unlikely to occur
- Skin contact : In case of contact with liquid product frostbite symptoms may occur.
- Eye contact : In case of contact with liquid product frostbite symptoms may occur.

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

- General Advice : In case of accident or if you feel unwell, seek medical advice (show the label where possible)
If symptoms persist always call a doctor

SECTION 5: Firefighting measures

5.1. Extinguishing media

Foam, carbon dioxide or dry agent

5.2. Special hazards arising from the substance or mixture

Aerosols may explode if heated above 50°C

Forms hazardous decomposition products CO,CO₂

5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water

In case of fire, do not breathe fumes

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Shut off all ignition sources

Ensure adequate ventilation

Wear suitable protective clothing and gloves.

6.2. Environmental precautions

Do not allow to enter public sewers and watercourses

6.3. Methods and material for containment and cleaning up

Allow product to evaporate

Shut off all ignition sources

Ventilate area

6.4. Reference to other sections

For further information see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep away from heat and sources of ignition

Take precautionary measures against static discharges

Equipment should be earthed

Do not spray on a naked flame or incandescent material.

Do not pierce or burn aerosols, even after use.

Do not breathe aerosols or vapours.

Ensure adequate ventilation

Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

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

Store in a well-ventilated place.

Keep out of reach of children.

7.3. Specific end use(s)

Speciality

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits :
No information available

8.2. Exposure controls

Control procedures	: Ensure adequate ventilation Keep away from heat and sources of ignition
Personal protection	: Take precautions to avoid contact with skin and eyes when handling the product Ensure adequate ventilation
Inhalation	: In case of insufficient ventilation, wear suitable respiratory equipment.
Hands and Skin	: Wear suitable protective gloves against chemicals
Recommended gloves	: Nitrile
Eyes	: Wear safety goggles.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

(for aerosols data for the product without propellant)

Appearance : physical state	: Liquified gas.
Colour	: Colorless.
Odour	: Characteristic odor.
pH	: Not applicable.
Boiling point/range	: Not available.
Flash point	: Not available
Evaporation rate	: Not available.
Explosion limits : upper limit	: Not available.
Lower limit	: Not available.
Vapour pressure	: Not available.
Relative density	: Not available.
Solubility in water	: Insoluble in water
Auto-ignition	: Not available
Viscosity	: Not available.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions known if used for its intended purpose

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

10.4. Conditions to avoid

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

10.5. Incompatible materials

Strong oxidising agent

10.6. Hazardous decomposition products

CO,CO2

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure :

Inhalation	: Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness
Ingestion	: Ingestion is unlikely to occur
Skin contact	: In case of contact with liquid product frostbite symptoms may occur
Eye contact	: In case of contact with liquid product frostbite symptoms may occur

Toxicological data :

No information available

SECTION 12: Ecological information

12.1. Toxicity

Not classified

Ecotoxicological data:

No information available

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

Insoluble in water

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product	: This material and its container must be disposed of in a safe way. Do not discharge into drains or the environment, dispose to an authorised waste collection point.
National regulations	: Disposal should be in accordance with local, state or national legislation

SECTION 14: Transport information

14.1. UN number

UN-number : 1950

14.2. UN proper shipping name

Proper shipping name : AEROSOLS

14.3. Transport hazard class(es)

Class : 2.1

ADR/RID - Classification code : 5F

14.4. Packing group

Packing group : Not applicable

14.5. Environmental hazards

ADR/RID - Environmentally hazardous : No

IMDG - Marine pollutant : No

IATA/ICAO - Environmentally hazardous : No

14.6. Special precautions for user

ADR/RID - Tunnelcode : (D)

IMDG - Ems : F-D, S-U

IATA/ICAO - PAX : 203

IATA/ICAO - CAO : 203

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

The Safety Data Sheet is compiled according to the current European requirements.

Dir. 2013/10/EU, 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.

EU-directive 99/45/EC

Regulation (EC) No 1272/2008 (CLP)

Regulation (EC) No 1907/2006 (REACH)

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation risk-phrases : R12 : Extremely flammable.

*Explanation hazard statements : H220 : Extremely flammable gas.

H280 : Contains gas under pressure; may explode if heated.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties. Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks, no part of these documents may be reproduced by any process without written permission from CRC.

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