

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

1.1 Product identifier

Trade name: : Butane Duster (Petroleum Gases, Liquified)

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

Application of the substance / the mixture Cleaning agent/ Cleaner

Uses advised against Do not use on live circuit.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Premier Farnell
150 Armley Road
Leeds LS12 2QQ
Tel. : +44 (0) 8701 202530

1.4 Emergency telephone number

+44 1865 407333

Section 2: Hazard(s) Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the GB CLP regulation.

Hazard pictograms



GHS02

Signal word

: Danger

Hazard statements

H222-H229

: Extremely flammable aerosol. Pressurised container: May burst if heated.

Precautionary statements

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+P412

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

P501

: Dispose of contents and container in accordance with local, regional, and national regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Determination of endocrine-disrupting properties

Endocrine Disruptor substance $\geq 0.1\%$ = none

Section 3: Composition/information on ingredients

3.2 Substances

CAS No. Description

Butane Duster (Petroleum Gases, Liquified)

Identification number(s)

EC number: 270-704-2

Index number: 649-202-00-6

Section 4: First-Aid Measures

4.1 Description of first aid measures

After inhalation : Remove person to fresh air and keep comfortable for breathing.
If feeling unwell: Call a POISON CENTRE or doctor.

After skin contact : Rinse with warm water.

After eye contact : Protect unharmed eye.

After swallowing : Not applicable

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture

Prevent fire-fighting wash from entering waterway or sewer system.

Aerosols containers may erupt with force at temperatures above 50°C [122°F].

Hazardous combustion products: Carbon Oxides (CO_x)

5.3 Advice for firefighters

Protective equipment: Wear self-contained breathing apparatus and full fire-fighting turn-out gear.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Remove or keep away all sources of extreme heat or open flames.

Avoid breathing mist, spray, or vapors.

6.2 Environmental precautions:

No special measures required.

6.3 Methods and material for containment and cleaning up:

Not applicable

6.4 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.

Section 7: Handling and Storage

7.1 Precautions for safe handling

Avoid breathing mist, spray, or vapors.

Do not pierce or burn, even after use.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Pressurised 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 onto a naked flame or any incandescent material.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurised containers.

Keep in a dry and clean area, away from incompatible substances

Store in a well-ventilated place. Keep cool.

Information about storage in one common storage facility: Not required.

Further information about storage conditions:

Keep container tightly sealed.

Protect from heat and direct sunlight.

Do not expose to temperatures exceeding 50°C [122°F].

7.3 Specific end use(s) See section 1.2

Section 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

Butane Duster (Petroleum Gases, Liquified)

WEL Short-term value: 2180 mg/m³, 1250 ppm

Long-term value: 1750 mg/m³, 1000 ppm

Carc (if LPG contains > 0.1% of buta-1.3-diene)

Additional information:

The lists valid during the making were used as basis.

Refer to the national or regional occupational exposure limit regulation for abbreviations and acronyms.

8.2 Exposure controls

Appropriate engineering controls No further data; see section 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures : Not applicable

Respiratory protection : Use suitable respiratory protective device in case of insufficient ventilation.

Hand protection : No chemical-protective gloves required.

Material of gloves : Not applicable

Penetration time of glove material : Not applicable

Eye/face protection

Not required.



Wear safety glasses: EN 166

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

General Information

Physical state : Aerosol (gas+liquid)

Form : Liquefied gas

Colour : Colourless

Odour : Characteristic

Odour threshold : Not available

Melting point/freezing point : -187.6°C to 138.3°C

Boiling point or initial boiling point and boiling range : -40°C

Flammability : Highly flammable.

Lower and upper explosion limit

Lower : Not determined.

Upper : 3.4 Vol %

Flash point : -40°C

Auto-ignition temperature : 350°C

Solubility

water at 25°C : 45.6 g/l

Vapour pressure at 20°C : 5,132.9 hPa

Relative density : Not available

Vapour density (air=1) : Not available

Particle characteristics : Not available

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Aerosols : Extremely flammable aerosol. Pressurised container: May burst if heated.

9.2.2 Other safety characteristics

Ignition temperature

: Not determined.

Explosive properties

: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Solvent content:

Organic solvents

: Not available

Section 10: Stability and Reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability Chemically stable at normal temperatures and pressures.

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid Temperatures above 50°C, open flames, and incompatible substances

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: Hazardous combustion products: see section 5.

Section 11: Toxicological Information

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

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

Primary irritant effect:

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

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

Summary of Effects and Symptoms by Routes of Exposure

Eyes : No information available

Skin : none known or expected

Inhalation : Simple asphyxiant and may cause dizziness and drowsiness.

Swallowed : No information available

Additional toxicological information:

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No further relevant information available.

11.2 Information on other hazards

Endocrine disrupting properties : Substance is not listed.

Section 12: Ecological Information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Section 13: Disposal Considerations

13.1 Waste treatment methods

Recommendation

This material and its container must be disposed of as hazardous waste.

European waste catalogue

HP3 Flammable

Uncleaned packaging:

Recommendation: Containers may still present a chemical hazard/ danger when empty.

Dispose of contents in accordance with all local, regional, national, and international regulations.

Where possible retain label warnings and SDS and observe all notices pertaining to the product..

Section 14: Transport Information

14.1 UN number or ID number

ADR, IMDG, IATA : UN1950

14.2 UN proper shipping name

ADR IMDG : AEROSOLS

IATA : Aerosols, flammable

14.3 Transport hazard class(es)

ADR



Class : 2 5F Gases.

Label : 2.1

IMDG, IATA



Class : 2 5F Gases.
Label : 2.1

14.4 Packing group

ADR, IMDG, IATA : Not applicable

14.5 Environmental hazards : Not applicable.

14.6 Special precautions for user : Warning: Flammable liquids.

Hazard identification number

(Kemler code) : -

EMS Number : F-D,S-U

Stowage Category

: SW1 Protected from sources of heat.
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.
Segregation Code : 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. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

14.7 Maritime transport in bulk according

to IMO instruments : Not applicable.

Transport/Additional information:

ADR

Limited quantities (LQ) : 1L

Excepted quantities (EQ) : Code: E0
Not permitted as Excepted Quantity

Transport category : 2

Tunnel restriction code : D

IMDG

Limited quantities (LQ) : 1L

Excepted quantities (EQ) : Code: E0
Not permitted as Excepted Quantity9

UN "Model Regulation" : UN 1950 AEROSOLS, 2.1

Section 15: Regulatory Information

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

Poisons Act

Regulated explosives precursors (Part 1) Substance is not listed.

Regulated poisons (Part 2) Substance is not listed.

Reportable explosives precursors (Part 3) Substance is not listed.

Reportable poisons (Part 4) Substance is not listed.

Directive 2012/18/EU

Named dangerous substances - ANNEX I Substance is not listed.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 28, 29

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

Substance is not listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

Section 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.

Relevant phrases

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

Abbreviations and acronyms:

ADR	: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG	: International Maritime Code for Dangerous Goods
IATA	: International Air Transport Association
GHS	: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS	: European Inventory of Existing Commercial Chemical Substances
CAS	: Chemical Abstracts Service (division of the American Chemical Society)
PBT	: Persistent, Bioaccumulative and Toxic
vPvB	: very Persistent and very Bioaccumulative
Aerosol 1	: Aerosols – Category 1

* Data compared to the previous version altered.

Part Number

MP015321

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