

K980 Butane Fuel

Safety Data Sheet

Material

Page 1 of 5

1. Product And Company Information

Name:	Butane Fuel
Use:	Liquefied Petroleum Gas
Product Code:	K980
Supplied By:	JFA Ltd
Information Department:	Riverside Mill Lane, Taplow, Berks, SL16 0AA
Emergency:	01628 637111 01628 773030

2. Composition / Information On Ingredients

Ingredient Name:	EC No:	CAS No:	Content:	Symbol:	Risk (R No.)
Butane	203-448-7	106-97-8	60-100%	F+	R12

The full text for all R-phrases are shown in section 16.

3. Hazard Identification

Extremely Flammable

4. First Aid Measures

Inhalation:	Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention.
Ingestion:	Not relevant.
Skin:	Remove affected person from source of contamination. Promptly stop exposure and get medical attention if frostbite has occurred. Promptly flush contaminated skin with soap or mild detergent and water.
Eyes:	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention. Continue to rinse.

5. Fire Fighting Measures

Extinguishing Media:	Foam. Carbon dioxide (CO ₂). Dry chemicals, sand, dolomite etc. Stop flow of material to fire.
Special Fire Fighting Procedures:	Ventilate closed spaces before entering them. Move container from fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours. Cool containers exposed to flames with water until well after the fire is out. Fight advanced or massive fires from safe distance or protected location. Stay away from ends of tanks.
Unusual Fire & Explosion Hazards:	Extremely flammable. May explode in a fire. May travel considerable distance to source of ignition and flash back. Vapour explosion and poison hazard indoors, outdoors and in sewers.
Specific Hazards:	Fire or high temperatures create: Carbon monoxide (CO)
Protective Measures In Fire:	Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental Release Measures

Spill Clean Up Methods:	Ventilate well, stop flow of gas or liquid if possible. Remove ignition sources. Do not allow chemical to enter confined spaces such as sewers due to explosion risk. Sewers designed to preclude formation of explosive concentrations of vapour may be permitted. Clean up personnel should use respiratory and/or liquid contact protection.
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7. Handling And Storage

Usage Precautions:	Keep away from heat, sparks and open flame. Provide good ventilation.
Storage Precautions:	Flammable/combustible – Keep away from oxidisers, heat and flames. May attack some plastics, rubber and coating. Store below 40°C.
Storage Class:	Flammable compressed gas storage.

8. Exposure Controls / Personal Protection

Name	Std	LT – ppm	LT – mg/m ³	ST- ppm	ST – mg/m ³
Butane	WEL	600ppm	1450mg/m ³	750ppm	1810mg/m ³

Ingredient Comments:	WEL = Workplace exposure limits.
Engineering Measures:	Provide adequate general and local exhaust ventilation.
Respiratory Equipment:	CCR, Chemical cartridge respirator.
Hand Protection:	Use protective gloves made of rubber (natural, latex)
Eye Protection:	Wear approved chemical safety goggles where eye exposure is reasonably probable. Contact lenses should not be worn when working with this chemical.
Other Protection:	Use engineering controls to reduce air contamination to permissible exposure level. Wear appropriate clothing to prevent skin contamination or freezing.
Hygiene Measures:	DO NOT SMOKE IN WORK AREA! Promptly remove non-impervious clothing that has become wet or contaminated.

9. Physical And Chemical Properties.

Appearance:	Gas
Colour:	Colourless
Odour:	Pepper

10. Stability And Reactivity.

Stability:	Avoid heat, sparks and flames.
Materials To Avoid:	Strong oxidising substances.
Hazardous Decomposition Products:	Toxic gases/vapours/fumes of: Carbon monoxide (CO).

11. Toxicological Information.

Health Warnings:	Gas or vapour displaces oxygen available for breathing (asphyxiant). Narcotic effect.
Route Of Entry:	Inhalation. Skin and/or eye contact.
Target Organs:	Central nervous system. Eyes. Respiratory system, lungs.
Medical Symptoms:	May cause suffocation. Dizziness.

12. Ecological Information

Ecotoxicity:	Not regarded as dangerous for the environment.
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13. Disposal

Make sure containers are empty before discarding (explosion risk). Do not puncture or incinerate even when empty. This material and its container must be disposed of in a safe way. Dispose of waste and residues in accordance with local authority requirements.

14. Transport Information

Proper Shipping Name:	Aerosols
Air Transport Notes:	Forbidden in passenger aircraft.
UN No. Road:	1950
ADR Class:	Class 2 : Gases
CEFIC TEC(R) No:	20G53
RID Pack Group:	5F
IMDG Class:	2.1
EMS:	2-13
UN No. Air:	1950
ADR Class No.	2
ADR Pack Group:	5F
ADR Label No.:	2.1
RID Class No.:	2
UN No. Sea:	1950
MFAG:	See guide.
Air Class:	2.1

15. Regulatory Information

Hazard Symbol:	F+
Risk Phrases:	R12 – Extremely flammable.
Safety Phrases:	S2 – Keep out of reach of children. S35 – This material and its container must be disposed of in a safe way. S51 – Use only in well ventilated areas. S3/9 – Keep in a cool, well ventilated areas. S47A – Keep at temperature not exceeding 40°C
UK Regulatory References:	Chemicals (Hazard Information and Packaging for supply) Regulations.

16. Other Information

Handle and apply only as recommended, for full information see product information sheet.

Risk Phrases in full

R12	Extremely Flammable.
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