

SAFETY DATA SHEET

1. Product and company identification.

Identification of the substance or preparation:

Butane gas

(Butane gas in gastorch Silver Match River Flex 2-pack Blister)

Supplier: Polyflame Europe
7 Avenue du Bouton D'Or
Za Des Petits Carreaxux
94386 Bonneuil Sur Marne

Distributor: Multi Flame AB
Okvägen 2, 281 51 Hässleholm
Tel. +46 (0)451 84501, Fax. +46 (0)451 84582 (office hours only)

2. Hazards identifications

Extremely flammable liquefied gas.

Ögon: contact with liquid or gas under pressure can cause frostbite (cold burns)
Skin: contact with liquid can cause frostbite (cold burns)
Inhalation: may cause irritation to nose and throat, headache, nausea, vomiting, dizziness, euphoria, drowsiness. In poorly ventilated or confined areas, unconsciousness and asphyxiation may result.
Fire: Air mixture containing 1.9-8.5% butane gas is explosive.

3. Composition/Information on ingredients

Chemical composition: blend of hydrocarbons consisting primarily of propan, iso-butan and n-butan.
Risk phrases: Extremely flammable gas.
Classification: F+ / R12 Extremely flammable gas / F+.
CAS-nr: 106-97-8
EC-nr: 203-448-7

4. First aid measures

- Eye contact: Flush immediately with plenty of water for at least 15 minutes. Hold eyelids apart while flushing to rinse entire surface of eye and lids with water. Get immediate medical attention.
- Skin contact: in case of cold burns, immediately place affected area in tepid to warm water and keep immersed until circulation returns.
- Inhalation: remove patient immediately to uncontaminated area. Keep warm and at rest. If breathing has stopped or shows signs of failing, commence artificial respiration. Get immediate medical attention.
- Ingestion: no emergency care anticipated, since product is a gas under normal conditions.

5. Fire fighting measures

- Special fire/explosion hazard: can form explosive mixtures with air.
- Products of combustion: oxides of carbon.
- Fire fighting procedures/
extinguishing media: dry powder only.

6. Accidental release measures

- Personal protection: avoid contact with liquid and vapour.
- Environmental precautions: extinguish all naked flames and sources of ignition. Disperse vapour.
- Methods of cleaning up: disperse vapour with water spray.

7. Handling and storage

- Precautions during handling: do not use in the vicinity of naked flames and sources of heat.
- Precautions during storage: store away from sources of heat and ignition.

8. Exposure controls/Personal protection

Special protective measures:	use in well ventilated areas.
Respiratory:	avoid exposure to vapour.
Hand:	avoid contact.
Eye:	avoid contact.
Skin:	avoid contact.
Exposure limits:	long term (8 hr TWA): 600 ppm short term (10 mins): 750 ppm

9. Physical and chemical properties

Physical state:	colourless liquefied gas.
Odour:	odourless.
Temperature characteristics:	boiling point: -11° C.
pH:	not applicable.
Solubility –in water:	insoluble.
Vapour pressure (25°C):	3.18 – 3.46 bar.
Density:	0.552 kg/m ³ .
Flammability:	-liquid (25°C) -vapour(15°C)
-flash point:	-74 to -104°C.
-auto ignition temperature:	405 - 550°C.
-flammable limits:	1.8 – 10.0% in air.

10. Stability and reactivity

Stability:	can form explosive mixtures with air.
Conditions/materials to avoid:	strong oxidising agents, peroxide, plastics, chlorine dioxide, and concentrated nitric acid.
Hazardous decomposition products:	normally carbon dioxide (carbon monoxide if deficiency in oxygen supply).

11. Toxicological information

Can lower the concentration of oxygen, risk of suffocating.

12. Biological information

Mobility: evaporates into atmosphere.
Persistence and degradability: degrades under atmospheric conditions.
Ecotoxicity: no known ecological damage caused by this product.

13. Disposal considerations

Disposal of product: do not discharge into areas where there is a risk of forming an explosive mixture. Do not discharge the product to an open fire.

14. Transport information

UN Nr 1057 (Lighter with flammable gas)
RID – ADR 2, 6 F

15. Regulatory information

Chemicals (Hazard information and packaging) regulations:

-Risk phrases: R12 extremely flammable liquified gas.
-Safety phrases: S16 Keep away from sources of ignition –no smoking.
S9 Keep in a well ventilated place.
-Classification/symbol: Extremely flammable/F+.
Exposure limits: long term (8hr TWA): 600 ppm
short term (10 mins): 750 ppm

16. Other information

Recommended uses: gas in the product Silver Match River Flex 1-pc Blister