

Safety data sheet

Issue date: 12-10-2012

Version: 01.00/EU_UK

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

1.1. Product identifier

Trade name: Refillable Electronic Lighter

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

Recommended uses: Lighter.

1.3. Details of the supplier of the safety data sheet

Distributor: Polyflame Europe SA
Z.A. des Petits Carreaux 7 avenue du Bouton d'Or
FR-94386 Bonneuil sur Marne
France
Tel: +33 1 43 99 60 00
Fax: +33 1 43 99 60 99
Email: victor.jorge@polyflame.com

1.4. Emergency telephone number

+ 33 1 43 99 60 00 (Polyflame Europe SA)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

DPD-classification: F+;R12

CLP-classification: Press. Gas comp. gas;H280 Flam. Gas 1; H220

Please see section 16 for the full text of R-phrases and H-phrases.

Most serious harmful effects: Contains gas under pressure, may explode if heated. Extremely flammable gas. Inhalation of gas may cause lethargy and dizziness. Direct contact may cause frostbite. The skin becomes numb and white. Pains, reddening and wounds follow.

2.2. Label elements



Signal word:

Danger

H-phrases:

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

P-phrases:

Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
Store in a well-ventilated place.

2.3. Other hazards

Assessment to determine PBT and vPvB has not been made.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Registration number	CAS/EC No.	Substance	DSD-classification/ CLP-classification	w/w%	Note
.	106-97-8	Butane (containing < 0,1 % butadiene (203-450-8))	Fx;R12	0-70	.
.	203-448-7		Flam. Gas 1;H220 Press. Gas liq. gas;H280	.	.
.	75-28-5	Isobutane (containing < 0.1 % butadiene (203-450-8))	Fx;R12	0-70	.
.	200-857-2		Flam. Gas 1;H220 Press. Gas liq. gas;H280	.	.
.	74-98-6	Propane	Fx;R12	>20	.
.	200-827-9	.	Flam. Gas 1;H220 Press. Gas liq. gas;H280	.	.

Please see section 16 for the full text of R-phrases and H-phrases.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:	Seek fresh air. In case of respiratory stop, administer artificial respiration/oxygen (but not the mouth-to-nose method)
Ingestion:	Not relevant, as the product is a gas.
Skin:	Wash skin with soap and water.
Eyes	Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
Burns:	Flush with water until pain ceases. Remove clothing that is not stuck to the skin – seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.
Other information:	When obtaining medical advice, show the safety data sheet or label.

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

Inhalation of gas may cause lethargy and dizziness. Direct contact may cause frostbite. The skin becomes numb and white. Pains, reddening and wounds follow.

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

Treat symptoms. In case of shortness of breath, give oxygen.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with powder, foam, carbon dioxide or water mist. Use water or water mist to cool non-ignited stock.
Unsuitable extinguishing media	Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Heating will cause a rise in pressure in packaging with a risk of bursting. The product decomposes when combusted and the following toxic gases can be formed: Carbon monoxide and carbon dioxide.

5.3. Advice for firefighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases – seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:	Smoking and naked flames prohibited. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment. Stop leak if this can be done without risk. Provide good ventilation.
For emergency responders:	In addition to the above: Normal protective clothing equivalent to EN 469 is recommended.

6.2. Environmental precautions

Avoid unnecessary release to the environment.

6.3. Methods and material for containment and cleaning up

Provide good ventilation.

6.4. Reference to other sections

See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Running water and eye wash equipment should be available.

7.2. Conditions for safe storage, including any incompatibilities

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc.
Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50°C.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Legal basis: Directive 2000/39/EC as subsequently amended.

Contains no substances subject to reporting requirements.

8.2. Exposure controls

Appropriate engineering controls: See also section 7.1.

Personal protective equipment,
eye/face protection: Not required.

Personal protective equipment,
skin protection: Not required.

Personal protective equipment,
respiratory protection: Not required.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid Gas

Colour: Colourless

Odour: Odourless

Odour threshold: No data

pH (solution for use): No data

pH (concentrate): No data

Melting point/freezing point: No data

Initial boiling point and boiling
range: -11 °C

Flash point: - 104 °C

Evaporation rate: No data

Flammability (solid, gas): No data

Upper/lower flammability limits: No data

Upper/lower explosive limits: No data

Vapour pressure: No data

Vapour density: No data

Relative density: 0,56

Solubility: No data

Partition coefficient
n-octanol/water: No data

Auto-ignition temperature: No data

Decomposition temperature: No data

Viscosity: No data

Explosive properties: No data

Oxidising properties: No data

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Not reactive.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid heating and contact with ignition sources.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral:	By normal handling, gases cannot be ingested. The product does not have to be classified. Test data are not available.
Acute toxicity - dermal:	The product does not have to be classified. Test data are not available.
Acute toxicity - inhalation:	Inhalation of gas may cause lethargy and dizziness. The product does not have to be classified. Test data are not available.
Skin corrosion/irritation:	Direct contact may cause frostbite. The skin becomes numb and white. Pains, reddening and wounds follow. The product does not have to be classified. Test data are not available.
Serious eye damage/eye irritation:	Splashes of gas in the eyes may cause frostbite. The product does not have to be classified. Test data are not available.
Respiratory sensitisation or skin sensitisation:	The product does not have to be classified. Test data are not available.
Germ cell mutagenicity:	The product does not have to be classified. Test data are not available.
Carcinogenic properties:	The product does not have to be classified. Test data are not available.
Reproductive toxicity:	The product does not have to be classified. Test data are not available.
Single STOT exposure:	The gas may displace atmospheric air, thereby causing risk of suffocation. The product does not have to be classified. Test data are not available.
Repeated STOT exposure:	The product does not have to be classified. Test data are not available.
Aspiration hazard:	The product does not have to be classified. Test data are not available.
Other toxicological effects:	None known.

SECTION 12: Ecological information

12.1. Toxicity

The product does not have to be classified. Test data are not available.

12.2. Persistence and degradability

Test data are not available.

12.3. Bioaccumulative potential

No bioaccumulation expected.

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Avoid unnecessary release to the environment.

EWC code: Depends on line of business and use, for instance 16 05 04 Gases in pressure containers (including halons) containing dangerous substances.

SECTION 14: Transport information

ADR/RID

14.1. UN number	1057
14.2. UN proper shipping name	LIGHTERS
14.3. Transport hazard class(es)	2.1
14.4. Packing group	-
Hazard identification number	-
Tunnel restriction code:	D
14.5. Environmental hazards	The product should not be labelled as an environmental hazard (symbol: fish and tree).

ADN

14.1. UN number	1057
14.2. UN proper shipping name	LIGHTERS containing flammable gas
14.3. Transport hazard class(es)	2.1
14.4. Packing group	-
14.5. Environmental hazards	The product should not be labelled as an environmental hazard (symbol: fish and tree).
Environmental hazard in tank vessels:	Not applicable.

IMDG

14.1. UN number	1057
14.2. UN proper shipping name	LIGHTERS containing flammable gas
14.3. Transport hazard class(es)	2.1
14.4. Packing group	-
14.5. Environmental hazards	The product is not a Marine Pollutant (MP).
IMDG Code segregation group:	-

ICAO/IATA

14.1. UN number	1057
14.2. UN proper shipping name	LIGHTERS containing flammable gas
14.3. Transport hazard class(es)	2.1
14.4. Packing group	-

14.6. Special precautions for user

None.

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**

Special provisions: Council Directive 96/82/EC (Seveso), Extremely flammable: Column 2: 10 t, Column 3: 50 t.
Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product.

15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

SECTION 16: Other information

Abbreviation explanations:	PBT: Persistent, Bioaccumulative and Toxic vPvB: Very Persistent and Very Bioaccumulative STOT: Specific Target Organ Toxicity
Classification method:	Calculation based on the hazards of the known components.
R-phrases:	R12 Extremely flammable.
H-phrases:	H220 Extremely flammable gas. H280 Contains gas under pressure, may explode if heated.
Training:	A thorough knowledge of this safety data sheet should be a prerequisite condition.

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