

Safety data sheet

according to 1907/2006/EC, Article 31

Trade name: Gas Lighter

Revision: 14.12.2022

Region: GB

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

1.1 Product identifier

Trade name

Gas Lighter

UFI: G300-W0XG-K004-G0AY

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

Sector of Use SU21 Consumer uses: Private households / general public / consumers

Product category PC13 Fuels

1.3 Details of the supplier of the safety data sheet

Address

Further information obtainable from : Product safety department

1.4 Emergency telephone number

During normal opening time : +

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008



GHS02 Flame

Flam Gas 1 H220 Extremely flammable Gas

Press. Gas C H280 Contains gas under pressure; may explode if heated.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS02

Signal word : Danger

Hazard Statements :

H220 Extremely flammable gas

H280 Contains gas under pressure; may explode if heated.

Precautionary statements :

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children

P103 Read label before use

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P410 + P403 Protect from sunlight. Store in a well-ventilated place.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT : Not applicable

vPvB : Not applicable

Safety data sheet

according to 1907/2006/EC, Article 31

Trade name: Gas Lighter

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SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Chemical characterisation : Mixtures

Description : Mixture of substances listed below with nonhazardous additions

No	Dangerous components:				
1					
	CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0	Butane		Flam. Gas 1, H220; Press. Gas C, H280	61,4%
2					
	CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-01-8	isobutane		Flam. Gas 1, H220; Press. Gas C, H280	21,08%
3					
	CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5	propane		Flam. Gas 1, H220; Press. Gas C, H280	16,4%

3.3 Other information

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of persisting adverse effects, consult a physician.

After inhalation

Supply fresh air; consult doctor in case of complaints.

After skin contact

Generally the product does not irritate the skin.

After eye contact

Rinse opened eye for several minutes under running water.

After swallowing

If symptoms persist consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

Safety data sheet

according to 1907/2006/EC, Article 31

Trade name: Gas Lighter

Revision: 14.12.2022

Region: GB

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

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

Unsuitable extinguishing media

No data available.

5.2 Special hazards arising from the substance or mixture

No further relevant information available

5.3 Advice for firefighters

Protective equipment: No special measures required..

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions

No special measures required

6.3 Methods and material for containment and cleaning up

Ensure adequate ventilation

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personnel protection equipment.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

No special precautions are necessary if used correctly.

Information about fire- and explosion protection

Keep ignition sources away. Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Requirements to be met by storerooms and receptacles : No special requirements.

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

Further information about storage conditions : Keep container tightly sealed.

7.3 Specific end use(s)

No further relevant information available.

Safety data sheet

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Trade name: Gas Lighter

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SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further date; see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information : The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures : Wash hands before breaks and at the end of work.

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

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye Protection : Not required.

Safety data sheet

according to 1907/2006/EC, Article 31

Trade name: Gas Lighter

Revision: 14.12.2022

Region: GB

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General information : Appearance			
Form		Compressed liquefied gas	
colour		According to product specification	
Odour			
Characteristic			
Odour threshold			
Not determined			
pH value			
Not determined			
Boiling point / boiling range			
-44 °C			
Melting point / melting range			
Undetermined			
Decomposition point / decomposition range			
Not determined			
Flash point			
-97°C			
Ignition temperature			
Value		365	°C
Self-ignition temperature			
Product is not selfigniting			
Solids content:			
1,1%			
Danger of explosion			
Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.			
Flammability (solid, gas)			
Not determined			
Lower flammability or explosive limits			
Value		1.5	% vol
Upper flammability or explosive limits			
Value		10.9	% vol
Vapour pressure			
Value		8300	hPa
Reference temperature		20	°C
Method		DIN 51640	
Vapour density			
Not determined			
Evaporation rate			
Not applicable			
Relative density			
Not determined			
Density			
Value		0.56	g/ml
Reference temperature		20	°C
Method		DIN 51618	

Safety data sheet

according to 1907/2006/EC, Article 31

Trade name: Gas Lighter

Revision: 14.12.2022

Region: GB

Solubility in / Miscibility with water

Remarks	Fully miscible
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Solvent content :

Organic solvents : 77,8% / **VOC :** (EC) 0,00%

Partition coefficient: n-octanol/water

Not determined

Viscosity

Not determined

9.2 Other information

Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

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 > 50°C.

10.5 Incompatible materials

No further relevant information available

10.6 Hazardous decomposition products

No hazardous decomposition products known.

Safety data sheet

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Trade name: Gas Lighter

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

LD/LC50 values relevant for classification:

106-97-8 butane

Inhalative LC50/4 h 658 mg/l (rat)

Primary irritant effect :

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.

CMR Effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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 / repeated exposure

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

Aspiration hazard

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

Safety data sheet

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Trade name: Gas Lighter

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SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)
No further relevant information available.

Toxicity to fish (chronic)
No further relevant information available.

Toxicity to Daphnia (acute)
No further relevant information available.

Toxicity to Daphnia (chronic)
No further relevant information available.

Toxicity to algae (acute)
No further relevant information available.

Toxicity to algae (chronic)
No further relevant information available.

Bacteria 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.

Additional ecological information :

General notes : Generally not hazardous for water.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable

vPvB : Not applicable

12.6 Other adverse effects

No data available.

12.7 Other information

Other information
No special measures necessary.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation : Disposal must be made according to official regulations

Recommended cleaning agents : Water, if necessary together with cleansing agents.

Safety data sheet

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SECTION 14: Transport information

14.1 UN Number

ADR, IMDG, IATA

UN1057

14.1 UN Proper shipping name

ADR

1057 LIGHTERS

IMDG, IATA

LIGHTERS

14.3 Transport hazard class(es)

ADR



Class 2 6F Gases
Label 2.1

IMDG, IATA



Class 2 Gases
Label 2.1

14.4 Packaging group

Not applicable

14.5 Environmental hazards

Marine pollutant : No

14.6 Special precautions for user

Warning : Gases

EMS Number :

F-D, S-V

Stowage Category :

B

Stowage Code :

SW2 Clear of living quarters

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Transport / Additional information:

ADR

Limited Quantities (LQ)

0

Excepted quantities (EQ)

Code: E0

Not permitted as Excepted Quantity

Transport category

2

Tunnel restriction code

D

IMDG

0

Limited quantities (LQ)

0

Excepted quantities (EQ)

Code: E0

Not permitted as excepted Quantity

UN "Model Regulation":

UN 1057 LIGHTERS, 2.1

Safety data sheet

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SECTION 15: Regulatory information

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

Directive 2012/18/EU

Named dangerous substances - ANNEX 1 None of the ingredients is listed.

Seveso category P2 FLAMMABLE GASES

Qualifying quantities (tonnes) for the application of lower-tier requirements 10t

Qualifying quantities (tonnes) for the application of upper-tier requirements 50t

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

15.2 Chemical safety assessment

A Chemical 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

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

Department issuing SDS: Product safety department

Contact: Mr. Coolen

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport 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

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1: Flammable gases – Category 1

Press. Gas C: Gases under pressure – Compressed gas

*** Data compared to the previous version altered.**