

# Safety Data Sheet

## Gas Lighter

Revision date: 04/11/2022  
Version: 1.0.0

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

#### 1.1. Product identifier

Trade name: Gas Lighter

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

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

Company: Fritz Schur Consumer Products A/S  
Address: Esplanaden 40  
Zip code: DK-1263  
City: København K  
Country: DENMARK  
E-mail: info@fscp.dk  
Phone: +45 33 96 00 60

#### 1.4. Emergency Telephone Number

Members of the public: 111 (NHS 111 (Scotland: NHS 24)).

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

CLP-classification: Flam. Gas 1A;H220

Most serious harmful effects: Extremely flammable gas.

#### 2.2. Label elements

##### Pictograms



Signal word: Danger

##### Hazard Statements

H220 Extremely flammable gas.

##### Precautionary statements

P102 Keep out of reach of children.

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

P410+403 Protect from sunlight. Store in a well-ventilated place.

#### 2.3. Other hazards

Assessment to determine PBT and vPvB has not been made.  
Endocrine disrupting properties: None known.

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### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

Substance	CAS No./ EC No./ REACH Reg. No.	Concentration	Notes	CLP-classification
Petroleum gases, liquefied (with <0,1% 1, 3-Butadiene)	68476-85-7 270-704-2	0 - 100 %		Press. Gas liq. gas;H280
butane	106-97-8 203-448-7	0 - 80 %		Flam. Gas 1A;H220
isobutane	75-28-5 200-857-2	30 - 40 %		Flam. Gas 1A;H220
propane	74-98-6 200-827-9	10 - 15 %		Flam. Gas 1A;H220

Please see section 16 for the full text of H- / EUH-phrases.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation:</b>	Seek fresh air. In case of respiratory stop, administer artificial respiration/oxygen (but not the mouth-to-nose method) Seek medical advice in case of persistent discomfort.
<b>Ingestion:</b>	Not relevant, as the product is a gas.
<b>Skin contact:</b>	Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.
<b>Eye contact:</b>	Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice in case of frostbite.
<b>Burns:</b>	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.
<b>General:</b>	When obtaining medical advice, show the safety data sheet or label.

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

Splashes of gas in the eyes may cause frostbite.

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

Treat symptoms. No special immediate treatment required.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media:</b>	Extinguish with powder, foam, carbon dioxide or water mist. Use water or water mist to cool non-ignited stock.
<b>Unsuitable extinguishing media:</b>	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. Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

#### 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

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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:** Provide adequate ventilation. Smoking and naked flames prohibited. Stay upwind/keep distance from source.

**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 8 for type of protective equipment. See section 13 for instructions on disposal.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Running water and eye wash equipment must be available. Smoking and naked flames prohibited. Wash hands before breaks, before using restroom facilities, and at the end of work.

#### 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. Do not pierce or burn, even after use. Do not store with the following: Oxidisers.

#### 7.3. Specific end use(s)

None.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limit

Substance name	Time period	ppm	mg/m <sup>3</sup>	fiber/cm <sup>3</sup>	Remarks	Comments
butane	8h	600	1450			
butane	15m	750	1.810			

**Measuring methods:** Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

**Legal basis:** EH40/2005 Workplace exposure limits. Last amended January 2020.

#### 8.2. Exposure controls

**Appropriate engineering controls:** Wear the personal protective equipment specified below.

**Personal protective equipment, eye/face protection:** Wear safety goggles if there is a risk of eye splash.

**Personal protective equipment,** Not required.

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skin protection:

Personal protective equipment, Not required.

respiratory protection:

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Liquid Gas
Colour	Colourless
Odour	Characteristic
Solubility	Poorly soluble in the following: Water. Soluble in the following: Alcohol and ether

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	-187 - -138 °C	
Freezing point	No data	
Initial boiling point and boiling range	-42.1 - -0.5 °C	
Flammability (solid, gas)	No data	
Flammability limits	1.5 - 9.5 vol%	Air
Explosion limits	No data	
Flash Point	-80 - -60 °C	
Auto-ignition temperature	426 - 537 °C	
Decomposition temperature	No data	
pH (solution for use)	No data	
pH (concentrate)	No data	
Kinematic viscosity	No data	
Viscosity	No data	
Partition coefficient n-octanol/water	No data	
Vapour pressure	~ 2 bar	
Density	No data	
Relative density	1.5 - 2.0	Gas (Air=1) ~0.54 Water = 1
Vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

#### 9.2. Other information

Parameter	Value/unit	Remarks
Molecular weight	~58	

Other Information: Splashes of gas in the eyes may cause frostbite.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reacts with the following: Oxidisers.

#### 10.2. Chemical stability

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

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### 10.3. Possibility of hazardous reactions

Vapours may form explosive mixtures with air.

### 10.4. Conditions to avoid

Avoid heating and contact with ignition sources.

### 10.5. Incompatible materials

Avoid contact with the following: Oxidisers.

### 10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

## SECTION 11: Toxicological information

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

**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 butane, cas-no 106-97-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Mouse	LC50	2H	680000 mg/m <sup>3</sup>			
Rat	LC50	4h	658000 mg/m <sup>3</sup>			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

**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 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.

### 11.2. Information on other hazards

**Endocrine disrupting properties:** None known.

**Other toxicological effects:** None known.

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### 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. Test data are not available.

#### 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. Endocrine disrupting properties

None known.

#### 12.7. Other adverse effects

None known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Avoid unnecessary release to the environment. If this product as supplied becomes a waste, it meets the criteria of a hazardous waste (Dir. 2008/98/EU). Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site. Empty, cleansed packaging should be disposed of for recycling. Uncleansed packaging is to be disposed of via the local waste-removal scheme.

#### Category of waste:

EWC code: Depends on line of business and use, for instance 16 05 04\* gases in pressure containers (including halons) containing hazardous substances  
Absorbent/cloth contaminated with the product: EWC code: 15 02 02\* absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances

### SECTION 14: Transport information

#### Land transport (ADR/RID)

14.1. UN number or ID number: 1057

14.2. UN proper shipping name:

14.3. Transport hazard class(es): 2.1

Hazard label(s):

Hazard identification number:

14.4. Packing group: -

14.5. Environmental hazards:

The product should not be labelled as an environmental hazard (symbol: fish and tree).

Tunnel restriction code: D

#### Inland water ways transport (ADN)

14.1. UN number or ID number: 1057

14.4. Packing group: -

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14.2. UN proper shipping name: LIGHTERS

14.5. Environmental hazards:

The product should not be labelled as an environmental hazard (symbol: fish and tree).

14.3. Transport hazard class(es): 2.1

Hazard label(s):

Transport in tank vessels:

### Sea transport (IMDG)

14.1. UN number or ID number: 1057

14.4. Packing group: -

14.2. UN proper shipping name: LIGHTERS

14.5. Environmental hazards:

The product is not a Marine Pollutant (MP).

14.3. Transport hazard class(es): 2.1

Hazard label(s):

EmS:

Environmental Hazardous Substance Name(s):

IMDG Code segregation group:

### Air transport (ICAO-TI / IATA-DGR)

14.1. UN number or ID number: 1057

14.4. Packing group: -

14.2. UN proper shipping name: LIGHTERS

14.5. Environmental hazards:

14.3. Transport hazard class(es): 2.1

Hazard label(s):

### 14.6. Special precautions for user

None.

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

## SECTION 15: Regulatory information

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

#### Special Provisions:

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.  
Directive 2012/18/EU (Seveso), P2 FLAMMABLE GASES: Column 2: 10 t, Column 3: 50 t.

Covered by:

Council Directive (EC) on the protection of young people at work.

### 15.2. Chemical Safety Assessment

## SECTION 16: Other information

### Version history and indication of changes

Version	Revision date	Responsible	Changes
1.0.0	04/11/2022	Bureau Veritas HSE/SUJ	

#### Abbreviations:

PBT: Persistent, Bioaccumulative and Toxic  
vPvB: Very Persistent and Very Bioaccumulative  
STOT: Specific Target Organ Toxicity

#### Other Information:

This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the

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product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with Regulation 1907/2006/EC "The Registration, Evaluation and Authorization of Chemicals" as amended by the stationary UK REACH etc. (EU Exit) as subsequently changed.

**Training advice:** A thorough knowledge of this safety data sheet should be a prerequisite condition.

**Classification method:** Calculation based on the hazards of the known components.

### List of relevant H-statements

H220 Extremely flammable gas.  
H280 Contains gas under pressure, may explode if heated.

**Country:** GB