

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 30.06.2023

Version number 2 (replaces version 1)

Revision: 30.06.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name: Gas lighter****Article number:** 14083, 14076, 14099, 14093**1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

Application of the substance / the mixture Lighter, filled with gas**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Fackelmann GmbH + Co. KG

Sebastian-Fackelmann-Str. 6

D-91217 Hersbruck

Germany

Tel: +49 (0)9151-811 153

Fax: +49 (0)9151-811 294

www.fackelmann.de

Informing department: Phone: 09151-811 153**1.4 Emergency telephone number:**

Phone 09151-811 153

(Office hours 08:00 - 16:00)

Poisoning Information Center Fribourg

Breisacher Strasse 86b

D-79106 Freiburg

Germany

Tel.: +49-(0)761-19240

giftinfo@uniklinik-freiburg.de

(Information in German and English)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

The product is not classified, according to the CLP regulation.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008**

For this product (substance/mixture/article) there is not obligatory requirement to prepare a safety data sheet according article 31 of the regulation (EC) 1907/2006. This information sheet gives relevant details according article 32 of the mentioned regulation.

Although this product is not subject to identification regulations, we recommend that the safety suggestions are observed

Hazard pictograms Void**Signal word** Void**Hazard statements** Void**Precautionary statements**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.

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- **Determination of endocrine-disrupting properties**
The product does not contain substances with endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Refillable lighter contains butane mixture.

- **Dangerous components:**

CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32-X	butane, pure ⚠ Flam. Gas 1A, H220; Press. Gas (Comp.), H280	25 - 50%
CAS: 75-28-5 EINECS: 200-857-2 Reg.nr.: 01-2119485395-27-X	isobutane ⚠ Flam. Gas 1A, H220; Press. Gas (Comp.), H280	25 - 50%
CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 01-2119486944-21-X	propane ⚠ Flam. Gas 1A, H220; Press. Gas (Comp.), H280	10 - 25%

- **Additional 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** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**
The product is not skin irritating.
After frost burns flush at least 15 minutes with water. Cover sterile, consult doctor.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** Swallowing is not considered to be a possible way of exposure.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
Extinguishing powder, foam or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** None known.
- **5.2 Special hazards arising from the substance or mixture**
During incomplete combustion carbon monoxide can be formed.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Use a breathing apparatus that is independent of circulating air when being in closed rooms.
- **Additional information**
Cool endangered containers with water spray.
Remove goods in stock from incendiary zone, if possible.

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SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**

When entering the area use breathing equipment independent from ambient air, unless innocuity of the atmosphere has been proven.

Ensure adequate ventilation

Keep away from ignition sources

- **6.2 Environmental precautions:**

Avoid any infiltration into sewage systems, basements, working pits or other places where product accumulations may cause a hazard.

- **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 personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Keep away from heat and direct sunlight.

- **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Vapours are heavier than air and may travel long distances along ground, ignite and flash back to source.

- **7.2 Conditions for safe storage, including any incompatibilities**

- **Storage**

- **Requirements to be met by storerooms and containers:**

Store containers in a well aired place at a temperature of less than 50°C.

- **Information about storage in one common storage facility:**

Do not store together with oxidizing or self-igniting substances.

- **Further information about storage conditions:** Store at dry and cool places.

- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**

- **Components with limit values that require monitoring at the workplace:**

WEL: workplace exposure limit

OEL: Occupational Exposure Limit

106-97-8 butane, pure	
WEL (Great Britain)	Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)

- **Additional information:** The lists that were valid during the compilation were used as basis.

- **8.2 Exposure controls**

- **Individual protection measures, such as personal protective equipment**

- **General protective and hygienic measures**

The usual precautionary measures should be adhered to general rules for handling chemicals.

- **Breathing equipment:** Not necessary if room is well-ventilated.

- **Hand protection** Not required.

- **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.

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- **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/face protection** Not required.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

- | | |
|---|------------------------------------|
| · Colour: | Colourless |
| · Odour: | Nearly odourless |
| · Melting point/freezing point: | -135 °C |
| · Boiling point or initial boiling point and boiling range | -0 °C |
| · Flammability | Extremely flammable liquefied gas. |
| · Lower and upper explosion limit | |
| · Lower: | 1.9 Vol % |
| · Upper: | 8.5 Vol % |
| · Flash point: | -60 °C |
| · Auto-ignition temperature: | 405 °C |
| · SADT | |
| · Solubility | |
| · Water at 20 °C: | 0.061 g/l |
| · Vapour pressure at 20 °C: | 2.1 hPa |
| · Density and/or relative density | |
| · Density at 20 °C | 0.0027 g/cm ³ |
| · Particle characteristics | No further information. |

· 9.2 Other information

- | | |
|--|--|
| · Appearance: | |
| · Form: | Liquefied gas |
| · Important information on protection of health and environment, and on safety. | |
| · Explosive properties: | Product is not explosive. However, formation of explosive gas-/air mixtures is possible. |

· Information with regard to physical hazard classes

- | | |
|--|------|
| · Explosives | Void |
| · Flammable gases | Void |
| · Aerosols | Void |
| · Oxidising gases | Void |
| · Gases under pressure | Void |
| · Flammable liquids | Void |
| · Flammable solids | Void |
| · Self-reactive substances and mixtures | Void |
| · Pyrophoric liquids | Void |
| · Pyrophoric solids | Void |
| · Self-heating substances and mixtures | Void |
| · Substances and mixtures, which emit flammable gases in contact with water | Void |
| · Oxidising liquids | Void |
| · Oxidising solids | Void |
| · Organic peroxides | Void |
| · Corrosive to metals | Void |

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· **Desensitised explosives**

Void

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**
Forms explosive gas mixture with air
May react violently with oxidizing substances.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values that are relevant for classification:		
106-97-8 butane, pure		
Inhalative	LC50	1,237 mg/l/2h (rat) Gas
75-28-5 isobutane		
Inhalative	LC50	1,237 mg/l/2h (mouse) Gas
74-98-6 propane		
Inhalative	LC50	mg/l/4h (rat) Gas

- **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.
- **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 exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Other information (about experimental toxicology):**
No specific poisonous effect is known for n-butane, but it causes narcosis at higher concentrations.

- **11.2 Information on other hazards**

· Endocrine disrupting properties
None of the ingredients is listed.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic 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.

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- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
 - **Additional ecological information:**
 - **General notes:** Generally not hazardous for water.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
 - **Recommendation**
The waste code numbers mentioned are recommendations based on the probable use of the product.
Only recycle or dispose of completely empty containers.

- **European waste catalogue**

16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 05 00	gases in pressure containers and discarded chemicals
16 05 04*	gases in pressure containers (including halons) containing hazardous substances

- **Uncleaned packagings:**
 - **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|--|---------------------------|
| <ul style="list-style-type: none"> · 14.1 UN number or ID number · ADR/RID, IMDG, IATA | UN1057 |
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR/RID · IMDG, IATA | 1057 LIGHTERS
LIGHTERS |

- **14.3 Transport hazard class(es)**

- **ADR/RID**



- **Class** 2 6F Gases.
- **Label** 2.1

- **IMDG, IATA**



- **Class** 2 Gases.
- **Label** 2.1

- | | |
|---|------|
| <ul style="list-style-type: none"> · 14.4 Packing group · ADR/RID, IMDG, IATA | Void |
|---|------|

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· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	
· Kemler Number:	Warning: Gases.
· EMS Number:	-
· Stowage Category	F-D,S-U
· Stowage Code	B
	SW2 Clear of living quarters.
· 14.7 Maritime transport in bulk according to IMO instruments	
	Not applicable.
· Transport/Additional information:	
· ADR/RID	
· Limited quantities (LQ)	0
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· Transport category	2
· Tunnel restriction code	D
· Remarks:	Special provision(s): 201, 654, 658
· IMDG	
· Limited quantities (LQ)	0
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· UN "Model Regulation":	UN 1057 LIGHTERS, 2.1

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 I** None of the ingredients is listed.

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **National regulations**

· **Water hazard class:** Generally not hazardous for water.

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is contained.

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· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This safety data sheet meets the requirements of Regulation (EU) 2015/830 and 2020/878 amending Annex II of Regulation (EC) 1907/2006.

· **Relevant phrases**

The phrases specified here are no labelling elements for the product but repeat the properties of the ingredients from section 3.

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

· **Department issuing data specification sheet:**

► **DEKRA** This Safety Data Sheet has been drawn up in cooperation with:
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· **Date of previous version:** 14.03.2016

· **Version number of previous version:** 1

· **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)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

ADR: Accord relatif au transport international 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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1A: Flammable gases – Category 1A

Press. Gas (Comp.): Gases under pressure – Compressed gas

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

EU