Material Safety Data Sheet

Completed **01-11-2021**
Revision: (date) **-**
SDS version **1.0**

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

1.1. Product Identifier
Trade Name: Butan lighter
Product- no.: -

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

Uses advised against:
This product must not be used for purposes other than those recommended without first seeking the advice of the supplier.

1.3. Details of the supplier of the safety data sheet
Company and address:
Schou Company A/S
Nordager 31
DK-6000 Kolding
Tlf. +45 88918000
www.schou.com

Contact person and E-mail:
Kirsten Jensen, kvje@schou.com

The Safety data sheet is completed and validated by:
Mediator A/S, Centervej 2, DK-6000 Kolding. Consultant: DH

1.4. Emergency telephone number
NHS: 111
Use your national or local emergency number - See section 4 “First aid measures”.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
CLP (1272/2008):
Flam. Gas 1;H220
Press. Gas;H280

See full text of H-phrases in section 16.

2.2. Label elements


Signal word:
Danger

Extremely flammable gas. (H220)
Contains gas under pressure; may explode if heated. (H280)

If medical advice is needed, have product container or label at hand. (P101)
Keep out of reach of children. (P102)
Read carefully and follow all instructions. (P103)
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)
Avoid breathing gas. (P261)
IF INHALED: Remove person to fresh air and keep comfortable for breathing. (P304 + P340)
In case of leakage, eliminate all ignition sources. (P381)
Store in a well-ventilated place. (P403)
Dispose of contents/container in accordance with local regulation. (P501)

2.3. Other hazards
-

Additional labelling:
-

Additional warnings
-

SECTION 3: Composition/information on ingredients

3.1./3.2. Substances/Mixtures

Substance	EU-Index no. / REACH-Reg. no.	CAS-no.	EINECS-no.	CLP-classification	Wt/Wt %	Note
Isobutane	601-004-00-0 / 01-2119485395-27-xxxx	75-28-5	200-857-2	Flam. Gas 1;H220, Press. Gas;H280	52.3	-
Propane	601-003-00-5 / 01-2119486944-21-xxxx	74-98-6	200-827-9	Flam. Gas 1;H220, Press. Gas;H280	25.92	-
Pure butane	601-004-00-0 / 01-2119474691-32-xxxx	106-97-8	203-448-7	Flam. Gas 1;H220, Press. Gas;H280	21.45	-

See full text of H-phrases in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures
Inhalation:
Seek fresh air.
Keep victim under observation.
Seek medical advice in case of discomfort.

Ingestion:
Not relevant.
Seek medical advice in case of persistent discomfort.

Skin contact:
Seek medical advice in case of persistent discomfort.

Eye contact:
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.

Additional information:
When obtaining medical advice, show the safety data sheet or label.

4.2. Most important symptoms and effects, both acute and delayed
May cause slight irritation to the skin and eyes.

4.3. Indication of any immediate medical attention and special treatment needed
Show this safety data sheet to the doctor in attendance.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Extinguish with powder, foam, carbon dioxide or water mist.
Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture
Extremely flammable gas.
Heating will cause a rise in pressure in packaging with a risk of bursting.
Avoid inhalation of vapour and fumes – seek fresh air.
Exposure to decomposition products may cause a health hazard.

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.
Fire fighters should wear appropriate protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
See section 8 for type of protective equipment.
Avoid static electricity.
Avoid breathing.

6.2. Environmental precautions
Not relevant.

6.3. Methods and material for containment and cleaning up
Provide adequate 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
See section 8 for information about precautions for use and personal protective equipment.
Use the product under well-ventilated conditions.
Smoking and naked flames prohibited.

7.2. Conditions for safe storage, including any incompatibilities
There are no special requirements for storage. However, it should be stored safe and out of the reach of children.
Do not expose to heat (e.g. sunlight).
Avoid direct sunlight.

7.3. Specific end use(s)
See application section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Occupational exposure limits according to EH40/2005 Workplace exposure limits (Fourth Edition 2020):

Substance	Long-term exposure limit ppm / mg/m^3	Short-term exposure limit ppm / mg/m^3	Note
Butane	750 / 1810		-

DNEL/PNEC-values:
No data.

8.2. Exposure controls
There are no exposure scenarios for this product.

Appropriate engineering controls:
Wear the personal protective equipment specified below.
Wash hands before breaks, before using restroom facilities, and at the end of work.

Respiratory protection:
Generally not required.

Hand protection:
Not required.

Eye/face protection:
Not required.

Skin 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

Physical state:	Gas
Colour:	-
Odour:	Characteristic
Melting point/ Freezing Point (°C):	-
Boiling point or initial boiling point and boiling range (°C):	-
Flammability:	-
Lower and upper explosion limit (vol-%):	-
Flash point (°C):	-
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	-
pH:	-
Kinematic viscosity (mm2/s):	-
Solubility:	-
Partition coefficient n-octanol/water (log value)	-
Vapour pressure:	-
Density and/or relative density:	-
Relative vapour density:	-
Particle characteristics:	-

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data.

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

Avoid contact with strong oxidising agents.
Avoid contact with strong acids.

10.6. Hazardous decomposition products

No special precautions regarding contact with other materials at the recommended storage conditions.

SECTION 11: Toxicological information

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

Acute toxicity:

Based on the existing data, the classification is not met.

Substance	exposure	Species	Test	Result
Isobutane	Inhalation	Rat	LC50/ 0,25 Hours	1443 mg/L air
Propane	Inhalation	Rat	LC50/ 0,25 Hours	1443 mg/L air
Pure butane	Inhalation	Rat	LC50/ 0,25 Hours	1443 mg/L air

Skin corrosion/irritation:

May cause slight irritation.

Serious eye damage/irritation:

May cause eye irritation.

Respiratory or skin sensitisation:

Based on the existing data, the classification is not met.

Germ cell mutagenicity:

Based on the existing data, the classification is not met.

Carcinogenicity:

Based on the existing data, the classification is not met.

Reproductive toxicity:
Based on the existing data, the classification is not met.

STOT-single exposure:
Based on the existing data, the classification is not met.

STOT-repeated exposure:
Based on the existing data, the classification is not met.

Aspiration hazard:
Based on the existing data, the classification is not met.

11.2. Information on other hazards
Test data are not available.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Test duration	Species	Test	Result
Isobutane	96 Hours	Fish	LC50	49.9 mg/L
Isobutane	48 Hours	Daphnia	LC50	69.43 mg/L
Isobutane	96 Hours	Algae	EC50	19.37 mg/L
Propane	96 Hours	Fish	LC50	49.9 mg/L
Propane	48 Hours	Daphnia	LC50	69.43 mg/L
Propane	96 Hours	Algae	EC50	19.37 mg/L
Pure butane	96 Hours	Fish	LC50	49.9 mg/L
Pure butane	48 Hours	Daphnia	LC50	69.43 mg/L
Pure butane	96 Hours	Algae	EC50	19.37 mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Isobutane	Yes	Gas exchange-biodegradation	385.5 Hours: 100%
Propane	Yes	Gas exchange-biodegradation	385.5 Hours: 100%
Pure butane	Yes	Gas exchange-biodegradation	385.5 Hours: 100%

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow
Isobutane	No	2.8
Propane	No	2.8
Pure butane	No	2.8

12.4. Mobility in soil
Test data are not available.

12.5. Results of PBT and vPvB assessment
The mixture does not meet the criteria for PBT or vPvB.

12.6. Endocrine disrupting properties
Test data are not available.

12.7. Other adverse effects
None.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
The product is covered by the regulations on dangerous waste.
Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

EWC-Code	Description
16 05 04	Gases in pressure containers (including halons) containing hazardous substances

Specific labelling:
-

Contaminated packaging:
Empty packaging and residues must be disposed of through the municipal waste collection service for hazardous waste.

SECTION 14: Transport information

The product is covered by the rules for transport of dangerous goods.

14.1 -14.4.
ADR

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

IMDG

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

14.5. Environmental hazards
-

14.6. Special precautions for user
-

14.7. Maritime transport in bulk according to IMO instruments
Not relevant.

SECTION 15: Regulatory information

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

Sources:
EH40/2005 Workplace exposure limits (Fourth Edition 2020).

Additional labelling:
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Restrictions for application:
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. Young people above 15 years are exempted this rule, if the product is a part of an education/training.

Demands for specific education:
-

15.2. Chemical safety assessment
None.

SECTION 16: Other information

According to EU regulation 1907/2006 (REACH)

Other information:
Sources:
EC regulation 1907/2006 (REACH), with amendments.
EC Regulation 1272/2008 (CLP), with amendments.
EU regulation no. 276/2010
Directive 2000/532/EC
ECHA - The European Chemicals Agency

Full text of H-phrases as mentioned in section 2+3:
H220 Extremely flammable gas.
H280 Contains gas under pressure; may explode if heated.

Classification according to Regulation (EC) Nr. 1272/2008:
Flam. Gas 1;H220 On basis of test data
Press. Gas;H280 On basis of test data

Abbreviations and acronyms used in the safety data sheet:
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006.
CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.
CAS-Number.: Chemical Abstracts Service number.
EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).
DNEL: Derived No Effect Level.
PNEC(s): Predicted No Effect Concentration(s).
STOT: Specific Target Organ Toxicity.
LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).
LC50: Lethal Concentration to 50 % of a test population.
EC50: The effective concentration of substance that causes 50% of the maximum response.
PBT: Persistent, Bioaccumulative and Toxic.
vPvB: Very Persistent and Very Bioaccumulative.
NOEC: The highest tested concentration at which, in a study, no statistically significant effect is observed in the exposed population compared with an appropriate control group.
NOAEL: The highest tested dose or exposure level at which there are no statistically significant increases in the frequency or severity of adverse effects between the exposed population and an appropriate control group; some effects may be produced at this level, but they are not considered adverse or precursors of adverse effects.

Other:
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

Minor changes have been made in following sections:
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This material safety data sheet replaces version:
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