

Safety data sheet

Revision: 01-06-2015
Replaces: 19-08-2014
Version: 02.00 /GBR

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

Recommended uses: Lighter.

1.3. Details of the supplier of the safety data sheet

Supplier: Rasmussen A/S
Esplanaden 40
1263 København K
Denmark
Tel: +45 33960000
Fax: +45 33960009
Email: post@rasmussen-as.com

1.4. Emergency telephone number

0870 600 6266 (UK only) Only available to health professionals.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification (Regulation (EC) No 1272/2008): Flam. Gas 1;H220

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

Most serious harmful effects: Extremely flammable gas.
Direct contact may cause frostbite. The skin becomes numb and white. Pains, reddening and wounds follow.
The product releases vapours which may cause lethargy and dizziness..

2.2. Label elements



Signal word: Danger

H-phrases: Extremely flammable gas.(H220)

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 Number	Substance	CLP-classification (Regulation (EC) No 1272/2008)	w/w%	Note
.	.	Container:	.	.	.
.	9003-54-7	Styrene acrylonitrile copolymer	.	100	.
.	262-706-7	.	.	.	.
.
.	74-98-6	Propane	Flam. Gas 1;H220 Press. Gas liq. gas;H280	30-100	.
.	200-827-9	.	.	.	.
.	106-97-8	Butane (containing < 0,1 % butadiene (203-450-8))	Flam. Gas 1;H220 Press. Gas liq. gas;H280	30-100	.
.	203-448-7	.	.	.	.
.	75-28-5	Isobutane (containing >= 0,1 % butadiene (203-450-8))	Flam. Gas 1;H220 Press. Gas liq. gas;H280	30-100	.
.	200-857-2	.	.	.	.

Please see section 16 for the full text of 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

May cause slight irritation to the skin and eyes. The product releases vapours which may cause lethargy and dizziness..

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. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Smoking and naked flames prohibited.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits:

Ingredient:	Exposure limit	Comments
Butane (containing < 0,1 % butadiene (203-450-8))	600 (8h), 750 (15m) ppm 1450 (8h), 1810 (15m) mg/m ³	-

Legal basis: EH40/2005 Workplace exposure limits. Last amended December 2011.

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

8.2. Exposure controls

Appropriate engineering controls:

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: Not applicable.

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: No data
Flash point: No data
Evaporation rate: No data
Flammability (solid, gas): Flammability: 430 °C
Upper/lower flammability limits: No data
Upper/lower explosive limits: 1,5-8,5 vol%
Vapour pressure: 3000 mbar (20 °C) 10530 mbar (70 °C)

Vapour density:	No data
Relative density:	0,56
Solubility:	Poorly soluble in the following: Water.
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:	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 releases vapours which may cause lethargy and dizziness.. 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.

75-28-5: Partition coefficient n-octanol/water: 2,88

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.

Collect empty container in closed, leak-proof containers for disposal at the local hazardous waste site.

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).

Transport in tank vessels:

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

15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

SECTION 16: Other information

Changes have been made in the following sections: 2,

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.

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.

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 product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed. This safety data sheet is in accordance with 1907/2006/EC (REACH) and subsequent amendments.