

# Safety data sheet

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

### 1.1. Product identifier

Trade name: Butane/propane Universal gas

Substance name: Hydrocarbons, C3-4-rich, petroleum distillate

Registration number: -

EC Number: 270-990-9

CAS No.: 68512-91-4

Index number: 649-083-00-0

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

Recommended uses: Butane/propane Universal gas 90 til 600 gram.

### 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.

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

CLP-classification (Regulation (EC) No 1272/2008): Press. Gas comp. gas;H280 Flam. Gas 1; H220

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

Most serious harmful effects: Contains gas under pressure, may explode if heated. 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. At high concentrations, the vapours may cause headache and intoxication.

### 2.2. Label elements



Signal word:

Danger

H-phrases:

Contains gas under pressure, may explode if heated.(H280)

P-phrases: Extremely flammable gas.(H220)  
 Keep out of reach of children.(P102)  
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.(P210)  
 Leaking gas fire: Do not extinguish, unless leak can be stopped safely.(P377)  
 Store in a well-ventilated place.(P403)  
 Protect from sunlight. Store in a well-ventilated place.(P410/403)

### 2.3. Other hazards

The product does not contain any PBT or vPvB substances.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Registration number	CAS/EC Number	Substance	CLP-classification (Regulation (EC) No 1272/2008)	w/w%	Note
.	68512-91-4	Hydrocarbons, C3-4-rich, petroleum	Press. Gas comp. gas;H280 Flam. Gas 1;H220	99	1)
.	270-990-9	distillate	.	.	.
.	.	.	.	.	.

Contains: < 0,1 % butadiene (203-450-8)

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. On frostbite: rinse with plenty of lukewarm water (max 37°C). Do not remove clothes until thawed. Seek medical advice.

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

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. At high concentrations, the vapours may cause headache and intoxication.

### 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

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

The product decomposes when combusted and the following toxic gases can be formed: Carbon monoxide and carbon dioxide. Heating will cause a rise in pressure in packaging with a risk of bursting.

### 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.

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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Stop leak if this can be done without risk. Provide adequate ventilation. Smoking and naked flames prohibited. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment.

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

Not applicable.

### 6.4. Reference to other sections

See section 13 for instructions on disposal.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Use the product under well-ventilated conditions. Smoking and naked flames prohibited. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment. Running water and eye wash equipment should be available. 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.

### 7.3. Specific end use(s)

None.

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## 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/m3	-

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: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Wear safety goggles if there is a risk of eye splash. Eye protection must conform to EN 166.

Personal protective equipment, skin protection: Not required.

Personal protective equipment, respiratory protection: Not required.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

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## SECTION 9: Physical and chemical properties

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

State: Gas Aerosol

Colour:	Colourless
Odour:	Mild Pleasant
Odour threshold:	No data
pH (solution for use):	No data
pH (concentrate):	6,5-7
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):	No data
Upper/lower flammability limits:	No data
Upper/lower explosive limits:	No data
Vapour pressure:	No data
Vapour density:	Egen formulering
Relative density:	No data
Solubility:	No data
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

Product vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

### 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	The product does not have to be classified. Test data are not available.

sensitisation:

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:	Spray mist in mouth may irritate mucous membranes in mouth and throat. The gas may displace atmospheric air, thereby causing risk of suffocation. 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.

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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

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. Other adverse effects

None known.

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Avoid unnecessary release to the environment.

Empty packaging is to be disposed of via the local waste-removal scheme.

Collect spills and waste 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

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## SECTION 14: Transport information

### ADR/RID

14.1. UN number	2037
14.2. UN proper shipping name	RECEPTACLES, SMALL, CONTAINING GAS
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 2037

14.2. UN proper shipping name RECEPTACLES, SMALL, CONTAINING GAS without a release device, non-refillable, flammable

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: Not applicable.

**IMDG**

14.1. UN number 2037

14.2. UN proper shipping name RECEPTACLES, SMALL, CONTAINING GAS without a release device, non-refillable

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 2037

14.2. UN proper shipping name RECEPTACLES, SMALL, CONTAINING GAS (flammable) without a release device, non-refillable

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).

**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.

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**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.

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**SECTION 16: Other information**

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

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.

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