

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## Universaldruckgasdose 330g / 600 ml

Print date: 22.02.2016

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

#### 1.1. Product identifier

Universaldruckgasdose 330g / 600 ml

CFH-No. 47107, 48810, 52107, 70107, 70659, 70660, 70801

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

##### Use of the substance/mixture

Präparat

##### Uses advised against

No information available.

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

Company name:	CFH Löt- und Gasgeräte GmbH	
Street:	Bahnhofstr. 50	
Place:	D-74254 Offenau	
Telephone:	+49 (0)7136 9594-0	Telefax: +49 (0)7136 9594-44
e-mail:	info@cfh-gmbh.de	
Contact person:	Torsten Bogesch	Telephone: +49 (0)7136 9594-0
e-mail:	bogesch.torsten@cfh-gmbh.de	
Responsible Department:	info@cfh-gmbh.de	

#### 1.4. Emergency telephone number:

+49(0) 551 - 1 92 40 (GIZ-Nord, 24h)

### SECTION 2: Hazards identification

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

##### Regulation (EC) No. 1272/2008

Hazard categories:

Flammable gas: Flam. Gas 1

Hazard Statements:

Extremely flammable gas.

Contains gas under pressure; may explode if heated.

#### 2.2. Label elements

##### Regulation (EC) No. 1272/2008

Signal word: Danger

Pictograms:



##### Hazard statements

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

##### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

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

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P251 Do not pierce or burn, even after use.

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P377	Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
P381	Eliminate all ignition sources if safe to do so.
P403	Store in a well-ventilated place.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of waste according to applicable legislation.

### 2.3. Other hazards

In use, may form flammable/explosive vapour-air mixture.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
106-97-8	butane			50-75 %
	203-448-7		01-2119474691-32	
	Flam. Gas 1, Compressed gas; H220 H280			
74-98-6	propane			25-50 %
	200-827-9		01-2119486944-21	
	Flam. Gas 1, Compressed gas; H220 H280			
64742-49-0	Naphtha (petroleum), hydrotreated light			<1 %
	265-151-9		01-2119475133-43	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411			

Full text of H and EUH statements: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Take off immediately all contaminated clothing.

#### After inhalation

Remove affected person from the danger area and lay down. Remove person to fresh air and keep comfortable for breathing.

Call a doctor if you feel unwell.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse.

#### After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

#### After ingestion

not applicable

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

No information available.

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

No information available.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>). alcohol resistant foam.

#### **Unsuitable extinguishing media**

Full water jet

### **5.2. Special hazards arising from the substance or mixture**

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

### **5.3. Advice for firefighters**

Protective equipment: No special measures are necessary.

## **SECTION 6: Accidental release measures**

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

Use personal protection equipment.

### **6.2. Environmental precautions**

In case of entry into waterways, soil or drains, inform the responsible authorities.

### **6.3. Methods and material for containment and cleaning up**

Provide adequate ventilation.

### **6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

In use, may form flammable/explosive vapour-air mixture.

Use only antistatically equipped (spark-free) tools.

Wear anti-static footwear and clothing

#### **Advice on protection against fire and explosion**

Take precautionary measures against static discharges.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on naked flames or any incandescent material.

### **7.2. Conditions for safe storage, including any incompatibilities**

#### **Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Do not keep the container sealed.

#### **Advice on storage compatibility**

Keep away from:

Oxidising agent

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

No information available.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL

#### 8.2. Exposure controls

##### Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

##### Protective and hygiene measures

Avoid contact with skin, eyes and clothes.

Wash hands before breaks and after work.

##### Eye/face protection

goggles

##### Hand protection

Tested protective gloves must be worn

##### Skin protection

Only wear fitting, comfortable and clean protective clothing.

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

### SECTION 9: Physical and chemical properties

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

Physical state: liquefied gas  
Colour: colourless  
Odour: characteristic

##### Test method

pH-Value: not applicable

##### Changes in the physical state

Melting point: not determined

Initial boiling point and boiling range: not determined

Sublimation point: not determined

Softening point: not determined

Pour point: not determined

: not determined

Flash point: not determined

Sustaining combustion: Not sustaining combustion

##### Flammability

Solid: not determined

Gas: not determined

##### Explosive properties

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

Lower explosion limits: 1,5 vol. %

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Upper explosion limits: 10,9 vol. %

Ignition temperature: 365 °C

### Auto-ignition temperature

Solid: not determined

Gas: not determined

Decomposition temperature: not determined

### Oxidizing properties

not determined

Vapour pressure: 8300 hPa  
(at 20 °C)

Density (at 20 °C): 0,6 g/cm<sup>3</sup>

Water solubility: not determined

### Solubility in other solvents

not determined

Partition coefficient: not determined

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Vapour density: not determined

Evaporation rate: not determined

## 9.2. Other information

No information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

In use, may form flammable/explosive vapour-air mixture.

### 10.2. Chemical stability

The substance is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. Possibility of hazardous reactions

No information available.

### 10.4. Conditions to avoid

Pressurised container: May burst if heated.

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

No information available.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
106-97-8	butane				
	inhalative (4 h) gas	LC50	273000 ppm	Rat	GESTIS

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### SECTION 12: Ecological information

#### 12.1. Toxicity

No information available.

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
106-97-8	butane					
	Acute fish toxicity	LC50	27,98 mg/l	96 h	Fish, no other information	ECHA
	Acute algae toxicity	ErC50	7,71 mg/l	96 h	Green algae	ECHA
74-98-6	propane					
	Acute fish toxicity	LC50	27,98 mg/l	96 h	Fish, no other information	ECHA
	Acute algae toxicity	ErC50	7,71 mg/l	96 h	Green algae	ECHA

#### 12.2. Persistence and degradability

No information available.

#### 12.3. Bioaccumulative potential

##### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
106-97-8	butane	2,89
74-98-6	propane	2,36

#### 12.4. Mobility in soil

No information available.

#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### 12.6. Other adverse effects

No information available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Advice on disposal

Dispose of waste according to applicable legislation.

##### Contaminated packaging

Dispose of waste according to applicable legislation.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

<b>14.1. UN number:</b>	UN 2037
<b>14.2. UN proper shipping name:</b>	Receptacles, small, containing gas (gas cartridges)
<b>14.3. Transport hazard class(es):</b>	2
<b>14.4. Packing group:</b>	-
Hazard label:	2.1
Classification code:	5F
Special Provisions:	191 303 344
Limited quantity:	1 L
Excepted quantity:	E0
Transport category:	2
Tunnel restriction code:	D

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### Inland waterways transport (ADN)

<b>14.1. UN number:</b>	UN 2037
<b>14.2. UN proper shipping name:</b>	Receptacles, small, containing gas (gas cartridges)
<b>14.3. Transport hazard class(es):</b>	2
<b>14.4. Packing group:</b>	-
Hazard label:	2.1
Classification code:	5F
Special Provisions:	191 303 344
Limited quantity:	1 L
Excepted quantity:	E0

### Marine transport (IMDG)

<b>14.1. UN number:</b>	UN 2037
<b>14.2. UN proper shipping name:</b>	Receptacles, small, containing gas (gas cartridges)
<b>14.3. Transport hazard class(es):</b>	2.1
<b>14.4. Packing group:</b>	-
Hazard label:	2.1
Special Provisions:	191, 277, 303, 344
Limited quantity:	1000 mL
Excepted quantity:	E0
EmS:	F-D, S-U

### Air transport (ICAO)

<b>14.1. UN number:</b>	UN 2037
<b>14.2. UN proper shipping name:</b>	Receptacles, small, containing gas (gas cartridges)
<b>14.3. Transport hazard class(es):</b>	2.1
<b>14.4. Packing group:</b>	-
Hazard label:	2.1
Special Provisions:	A167 A802
Limited quantity Passenger:	1 kg
Passenger LQ:	Y203
Excepted quantity:	E0
IATA-packing instructions - Passenger:	203
IATA-max. quantity - Passenger:	1 kg
IATA-packing instructions - Cargo:	203
IATA-max. quantity - Cargo:	15 kg

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

### 14.6. Special precautions for user

No information available.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No information available.

## SECTION 15: Regulatory information

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

#### EU regulatory information

Information according to 2012/18/EU (SEVESO III): P2 FLAMMABLE GASES

Additional information:

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### National regulatory information

Water contaminating class (D): - - not water contaminating

### 15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

butane

propane

Naphtha (petroleum), hydrotreated light

## SECTION 16: Other information

### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(Regelung zum Transport gefährlicher Güter auf der Straße)

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service

CLP: Classification, Labelling & Packaging (Einstufung, Kennzeichnung und Verpackung)

DIN: Deutsches Institut für Normung

EG: Europäische Gemeinschaft

Eye Irr.: Serious eye irritation (schwere Augenreizung)

IATA: International Air Transport Association (Internationale Luftverkehrsvereinigung)

IMDG: International Maritime Code for Dangerous Goods

(Regelung zum Transport gefährlicher Güter mit Seeschiffen)

ISO: Internationale Organisation für Normung

PBT: Persistent, Bioaccumulative and Toxic (Persistent, Bioakkumulierbar und toxisch)

RID: Règlement concernant le transport international ferroviaire des marchandises dangereuses

(Regelung zum Transport gefährlicher Güter im Schienenverkehr)

Skin Irr.: Skin irritation (Hautreizung)

VOC: Volatile Organic Compound (flüchtige organische Verbindung)

vPvB: Very Persistent and very Bioaccumulative (sehr persistent und sehr Bioakkumulierbar)

### Relevant H and EUH statements (number and full text)

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*