

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Butandruckgaskartusche

Revision date: 20.07.2021

Page 1 of 8

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Butandruckgaskartusche
CFH No. 52149

Substance name: Hydrocarbons, C3-4-rich, petroleum distillate; Petroleum gas

CAS No: 68512-91-4

Index No: 649-083-00-0

EC No: 270-990-9

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Fuel

1.3. Details of the supplier of the safety data sheet

Company name: CFH Löt- und Gasgeräte GmbH

Street: Bahnhofstraße 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

e-mail: Info@cfh-gmbh.de

Internet: www.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 gases: Flam. Gas 1

Gases under pressure: Liquefied gas

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

P102 Keep out of reach of children.

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Butandruckgaskartusche

Revision date: 20.07.2021

Page 2 of 8

P377 P381 P403	Leaking gas fire: Do not extinguish, unless leak can be stopped safely. In case of leakage, eliminate all ignition sources. Store in a well-ventilated place.
----------------------	---

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
68512-91-4	Hydrocarbons, C3-4-rich, petroleum distillate; Petroleum gas			100 %
	270-990-9	649-083-00-0		
	Flam. Gas 1, Liquefied gas; H220 H280			

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. If breathing is irregular or stopped, administer artificial respiration. 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

IF SWALLOWED: Call a doctor if you feel unwell.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Dry extinguishing powder, Carbon dioxide (CO₂), 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.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Butandruckgaskartusche

Revision date: 20.07.2021

Page 3 of 8

Heating causes rise in pressure with risk of bursting.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.
Co-ordinate fire-fighting measures to the fire surroundings.
Use of protective clothing

Additional information

Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use only antistatically equipped (spark-free) tools.
Wear anti-static footwear and clothing
Use personal protection equipment.

6.2. Environmental precautions

No special environmental measures are necessary. Clean contaminated articles and floor according to the environmental legislation.

6.3. Methods and material for containment and cleaning up

Ventilate affected area.

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

Ensure that fresh air is supplied to the breathing zone of the operator and exhaust air is removed in his back!
Keep in a cool, well-ventilated place.

Advice on protection against fire and explosion

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. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.

7.3. Specific end use(s)

Fuel

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

To date, no national critical limit values exist.

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.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Butandruckgaskartusche

Revision date: 20.07.2021

Page 4 of 8

Eye/face protection

Wear eye/face protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Use of 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	
pH-Value:		not determined

Changes in the physical state

Melting point:		not determined
Boiling point or initial boiling point and boiling range:		~ (-5) °C
Flash point:		< (-50) °C

Flammability

Solid:		not applicable
Gas:		not determined

Explosive properties

The product is not: Explosive.

Lower explosion limits:		1,5 vol. %
Upper explosion limits:		8,8 vol. %
Auto-ignition temperature:		> 400 °C

Self-ignition temperature

Solid:		not applicable
Gas:		not determined

Decomposition temperature:		not determined
----------------------------	--	----------------

Oxidizing properties

The product is not: oxidising.

Vapour pressure: (at 15 °C)		1700 hPa
--------------------------------	--	----------

Density:		not determined
----------	--	----------------

Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.	
-------------------	--	--

Solubility in other solvents

not determined

Partition coefficient n-octanol/water:		not determined
--	--	----------------

Relative vapour density:		not determined
--------------------------	--	----------------

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Butandruckgaskartusche

Revision date: 20.07.2021

Page 5 of 8

Evaporation rate: not determined

9.2. Other information

Solid content: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe).

10.4. Conditions to avoid

none

10.5. Incompatible materials

Oxidizing agent

10.6. Hazardous decomposition products

Carbon dioxide (CO₂), CO

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Additional information on tests

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

The product is not: Ecotoxic.

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information available.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Butandruckgaskartusche

Revision date: 20.07.2021

Page 6 of 8

Contaminated packaging

Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 2037
14.2. UN proper shipping name: RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES)
14.3. Transport hazard class(es): 2
14.4. Packing group: -
 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

Inland waterways transport (ADN)

14.1. UN number: UN 2037
14.2. UN proper shipping name: Receptacles, small, containing gas (gas cartridges)
14.3. Transport hazard class(es): 2
14.4. Packing group: -
 Hazard label: 2.1



Classification code: 5F
 Special Provisions: 191 303 344
 Limited quantity: 1 L
 Excepted quantity: E0

Marine transport (IMDG)

14.1. UN number: UN 2037
14.2. UN proper shipping name: RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES)
14.3. Transport hazard class(es): 2.1
14.4. Packing group: -
 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-TI/IATA-DGR)

14.1. UN number: UN 2037

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Butandruckgaskartusche

Revision date: 20.07.2021

Page 7 of 8

14.2. UN proper shipping name:	RECEPTACLES, SMALL, CONTAINING GAS
14.3. Transport hazard class(es):	2.1
14.4. Packing group:	-
Hazard label:	2.1



Special Provisions:	A145 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

14.6. Special precautions for user

Warning: Flammable gases.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

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): Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Water hazard class (D): - - non-hazardous to water

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Abbreviations and acronyms

CLP: Classification, labelling and Packaging
 REACH: Registration, Evaluation and Authorization of Chemicals
 GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
 UN: United Nations
 CAS: Chemical Abstracts Service
 DNEL: Derived No Effect Level
 DMEL: Derived Minimal Effect Level
 PNEC: Predicted No Effect Concentration
 ATE: Acute toxicity estimate
 LC50: Lethal concentration, 50%
 LD50: Lethal dose, 50%
 LL50: Lethal loading, 50%
 EL50: Effect loading, 50%
 EC50: Effective Concentration 50%
 ErC50: Effective Concentration 50%, growth rate
 NOEC: No Observed Effect Concentration
 BCF: Bio-concentration factor
 PBT: persistent, bioaccumulative, toxic

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Butandruckgaskartusche

Revision date: 20.07.2021

Page 8 of 8

vPvB: very persistent, very bioaccumulative

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

IMDG: International Maritime Code for Dangerous Goods

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

SVHC: Substance of Very High Concern

For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

Relevant H and EUH statements (number and full text)

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.