

Safety Data Sheet

according to UK REACH Regulation

Spezialgas

Revision date: 14.02.2023

Page 1 of 9

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

Spezialgas

CFH No. 52515, 52105

UFI: PNEP-W4XA-T00P-VJG0

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****GB CLP Regulation**

Flam. Gas 1A; H220

Liquefied gas; H280

Full text of hazard statements: see SECTION 16.

2.2. Label elements**GB CLP Regulation****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.
P377	Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
P381	In case of leakage, eliminate all ignition sources.
P410+P403	Protect from sunlight. Store in a well-ventilated place.

2.3. Other hazards

No information available.

Safety Data Sheet

according to UK REACH Regulation

Spezialgas

Revision date: 14.02.2023

Page 2 of 9

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
68476-85-7	Petroleum gases, liquefied; Petroleum gas			100 %
	270-704-2	649-202-00-6		
	Flam. Gas 1, Liquefied gas; H220 H280			

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

Further Information

Contains: < 0,1 % 1,3-Butadiene

SECTION 4: First aid measures

4.1. Description of first aid measures

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 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.

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

No information available.

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

Extremely flammable gas. Vapours can form explosive mixtures with air. Heating causes rise in pressure with risk of bursting.
Vapours are heavier than air, spread along floors and form explosive mixtures with air.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.
Co-ordinate fire-fighting measures to the fire surroundings.
Special protective equipment for firefighters: Protective clothing.

Safety Data Sheet

according to UK REACH Regulation

Spezialgas

Revision date: 14.02.2023

Page 3 of 9

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

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

6.2. Environmental precautions

- Do not allow uncontrolled discharge of product into the environment. Explosion risk.

6.3. Methods and material for containment and cleaning up

Other information

- 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.
- Vapours can form explosive mixtures with air.
- Pressurised container: May burst if heated.
- Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- Do not pierce or burn, even after use.
- Keep away from sources of ignition - No smoking.

Advice on general occupational hygiene

- Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

- Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints on joint storage

- Do not store together with: Oxidizing agent. Pyrophoric or self-heating substances.

7.3. Specific end use(s)

- Fuel

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Safety Data Sheet

according to UK REACH Regulation

Spezialgas

Revision date: 14.02.2023

Page 4 of 9

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
68476-85-7	Liquefied petroleum gas	1000	1750		TWA (8 h)	WEL
		1250	2180		STEL (15 min)	WEL

8.2. Exposure controls

Appropriate engineering controls

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

Individual protection measures, such as personal protective equipment
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

Flame-retardant protective clothing. Wear anti-static footwear and 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

Melting point/freezing point:	(-187) - (-138) °C
Boiling point or initial boiling point and boiling range:	(-48) - (-0,5) °C
Flammability:	not applicable not determined
Lower explosion limits:	1,5 vol. %
Upper explosion limits:	10,9 vol. %
Flash point:	(-107) - (-60) °C
Auto-ignition temperature:	365 °C
Decomposition temperature:	not determined
pH-Value:	not determined
Water solubility:	Immiscible
Solubility in other solvents	not determined
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	1800-10200 hPa
(at 20 °C)	
Density (at 20 °C):	1,5 - 2,0 g/cm ³ ASTM D 297

Test method

Safety Data Sheet

according to UK REACH Regulation

Spezialgas

Revision date: 14.02.2023

Page 5 of 9

Relative vapour density: not determined

9.2. Other information**Information with regard to physical hazard classes****Explosive properties**

The product is not: Explosive.

Sustaining combustion:

Not sustaining combustion

Self-ignition temperature

Solid:

not applicable

Gas:

405-468 °C

Oxidizing properties

The product is not: oxidising.

Other safety characteristics**Evaporation rate:**

not determined

Solid content:

not determined

SECTION 10: Stability and reactivity**10.1. Reactivity**

Extremely flammable gas.

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

No known hazardous reactions.

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.

10.5. Incompatible materials

Oxidizing agent

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in GB CLP Regulation****Acute toxicity**

Based on available data, the classification criteria are not met.

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Safety Data Sheet

according to UK REACH Regulation

Spezialgas

Revision date: 14.02.2023

Page 6 of 9

Endocrine disrupting properties

Based on available data, the classification criteria are not met.

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 substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

The product has not been tested.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID 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 or ID number:	UN 2037
14.2. UN proper shipping name:	Receptacles, small, containing gas (gas cartridges)

Safety Data Sheet

according to UK REACH Regulation

Spezialgas

Revision date: 14.02.2023

Page 7 of 9

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 or ID 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 or ID number: UN 2037
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. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):
 Entry 40, Entry 75

Safety Data Sheet

according to UK REACH Regulation

Spezialgas

Revision date: 14.02.2023

Page 8 of 9

Information according to 2012/18/EU (SEVESO III): 18 Liquefied flammable gases, Category 1 or 2 (including LPG) and natural gas (-)
 Additional information: P2

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

Changes

This data sheet contains changes from the previous version in section(s): 1,3,15.

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
 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>

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Flam. Gas 1A; H220	On basis of test data
Liquefied gas; H280	On basis of test data

Relevant H and EUH statements (number and full text)

H220 Extremely flammable gas.

**Safety Data Sheet**

according to UK REACH Regulation

Spezialgas

Revision date: 14.02.2023

Page 9 of 9

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.

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