

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

· **1.1 Product identifier**

· **Trade name:** Cartouche EXPRESS

· **Article number:** 2015

· **Reference Safety data sheet Ref.** 2015 - EN - FDS n°007g

· **UFI:** YK00-D09V-F007-TCAR

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**

· **Sector of Use**

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU21 Consumer uses: Private households / general public / consumers

· **Application of the substance / the mixture**

Refill for LPG vapour pressure appliances. Fuel for domestic, industrial and agricultural use.

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

GUILBERT EXPRESS

10 rue Henry Delbast

77183 CROISSY-BEAUBOURG

www.express-fds.fr

· **Further information obtainable from:** [info@express.fr](mailto:info@express.fr)

· **1.4 Emergency telephone number:**

+33/825 800 251

Members of the public seeking specific information on poisons should contact:

In England and Wales : NHS 111 - dial 111

In Scotland : NHS 24 - dial 111

In Ireland : National Poisons Information Centre, 01 8092566 or 01 8379964.

**SECTION 2: Hazards identification**

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Gas 1A H220 Extremely flammable gas.

Press. Gas (Comp.) H280 Contains gas under pressure; may explode if heated.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the GB CLP regulation.

· **Hazard pictograms**



GHS02

· **Signal word** Danger

· **Hazard-determining components of labelling:**

acetone

· **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.

P103 Read carefully and follow all instructions.

# Safety data sheet according to UK REACH

Printing date 25.07.2025

Version number 7

Revision and application 02.09.2024

**Trade name: Cartouche EXPRESS**

(Contd. of page 1)

- 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.

· **Additional information:**

Product contains: Reportable explosives precursors. Making available, introduction, possession and use according to Regulation (EU) 2019/1148, Article 9.

· **Hazard description:**

The labelling of this product is simplified in accordance with the derogation in Annex 1, Section 1.3.2.1 of Regulation 1272/2008, which stipulates the following:

If propane, butane and liquefied petroleum gases or a mixture containing these substances, classified in accordance with the criteria of this Annex, are placed on the market in refillable closed cylinders or in non-refillable cartridges within the scope of EN 417 as combustible gases which are released for combustion only (current edition of EN 417, relating to "Non-refillable metal gas cartridges for liquefied petroleum gases, with or without valve, for use with portable appliances; construction, inspection, testing and marking"), these cylinders or cartridges must be labelled only with the appropriate pictogram and the hazard and precautionary statements relating to flammability.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 68476-85-7 EINECS: 270-704-2 Reg.nr.: 01-2119486557-22-XXXX	Petroleum gases, liquefied (Nota K,-H350 -H340, <0.1% 1,3-butadiene buta-1,3-diene, Nota U, Nota S) ⚠ Flam. Gas 1A, H220; Press. Gas (Comp.), H280	70-85%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49-XXXX	acetone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	15-25%
CAS: 109-66-0 EINECS: 203-692-4 Reg.nr.: 01-2119459286-30-XXXX	pentane ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H336, EUH066	2%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

## SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information:** Seek immediate medical advice.

· **After skin contact:** Generally the product does not irritate the skin.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** If symptoms persist consult doctor.

· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

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

No further relevant information available.

## SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

(Contd. on page 3)

## Safety data sheet according to UK REACH

Printing date 25.07.2025

Version number 7

Revision and application 02.09.2024

Trade name: **Cartouche EXPRESS**

(Contd. of page 2)

- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** No special measures required.
- **6.3 Methods and material for containment and cleaning up:** Ensure adequate ventilation.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Keep away from heat and direct sunlight.
- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Recommended storage temperature:** Storage temperature : Room temperature
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

#### · 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:**

**106-97-8 butane, pure**

WEL	Short-term value: 1810 mg/m <sup>3</sup> , 750 ppm
	Long-term value: 1450 mg/m <sup>3</sup> , 600 ppm
	Carc (if more than 0.1% of buta-1.3-diene)

· **Additional information:** The lists valid during the making were used as basis.

#### · 8.2 Exposure controls

- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes.  
Avoid contact with the eyes and skin.
- **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Hand protection**



Protective gloves

(Contd. on page 4)

-GB

## Safety data sheet according to UK REACH

Printing date 25.07.2025

Version number 7

Revision and application 02.09.2024

**Trade name: Cartouche EXPRESS**

(Contd. of page 3)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. (Refer to standard EN-374).

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye/face protection**



Safety glasses (Refer to standard EN-166).

Tightly sealed goggles

- **Body protection:** Protective workwear (EN-1149)

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Physical state**

Gaseous

- **Colour:**

Colourless

- **Odour:**

Odourless

- **Melting point/freezing point:**

Not determined.

- **Boiling point or initial boiling point and boiling range**

-47.7 °C

- **Flammability**

Not determined.

- **Lower and upper explosion limit**

- **Lower:**

1.5 Vol %

- **Upper:**

11.1 Vol %

- **Flash point:**

-100 °C

- **Auto-ignition temperature:**

400 °C

- **Decomposition temperature:**

Not determined.

- **pH**

Not determined.

- **Solubility**

- **water:**

Not determined.

- **Partition coefficient n-octanol/water (log value)**

Not determined.

- **Vapour pressure at 20 °C:**

&lt;110 hPa

- **Density and/or relative density**

- **Density at 20 °C:**

0.59 g/cm<sup>3</sup>

Not determined.

- **Vapour density**

Not determined.

- **9.2 Other information**

- **Appearance:**

- **Form:**

Compressed liquefied gas

- **Important information on protection of health and environment, and on safety.**

- **Ignition temperature:**

Product is not selfigniting.

- **Explosive properties:**

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

(Contd. on page 5)

## Safety data sheet according to UK REACH

Printing date 25.07.2025

Version number 7

Revision and application 02.09.2024

Trade name: *Cartouche EXPRESS*

(Contd. of page 4)

· <b>Solvent content:</b>	
· <b>Organic solvents:</b>	15.0 %
· <b>VOC (EC)</b>	0.00 %
· <b>Oxygen content (%)</b>	
· <b>Solids content:</b>	0.0 %
· <b>SADT (°C)</b>	
· <b>Evaporation rate</b>	Not applicable.
· <b>Information with regard to physical hazard classes</b>	
· <b>Explosives</b>	Void
· <b>Flammable gases</b>	Extremely flammable gas.
· <b>Aerosols</b>	Void
· <b>Oxidising gases</b>	Void
· <b>Gases under pressure</b>	Contains gas under pressure; may explode if heated.
· <b>Flammable liquids</b>	Void
· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void
· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	Void

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid**  
Heat  
Moist air  
Sparks
- **10.5 Incompatible materials:**  
Strong bases  
Water
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** 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.

(Contd. on page 6)

## Safety data sheet according to UK REACH

Printing date 25.07.2025

Version number 7

Revision and application 02.09.2024

**Trade name: Cartouche EXPRESS**

(Contd. of page 5)

- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.


### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:** Not hazardous for water.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>· <b>14.1 UN number or ID number</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>                   | <p>UN2037</p>  |
| <ul style="list-style-type: none"> <li>· <b>14.2 UN proper shipping name</b></li> <li>· <b>ADR</b></li> <li>· <b>IMDG, IATA</b></li> </ul> | <p>2037 RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES)<br/>RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES)</p>      |
| <ul style="list-style-type: none"> <li>· <b>14.3 Transport hazard class(es)</b></li> <li>· <b>ADR</b></li> </ul>                           | <div style="text-align: center;">  </div> |
| <ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>   | <p>2 5F Gases.<br/>2.1</p>   |

(Contd. on page 7)

## Safety data sheet according to UK REACH

Printing date 25.07.2025

Version number 7

Revision and application 02.09.2024

Trade name: **Cartouche EXPRESS**

(Contd. of page 6)

· **IMDG, IATA**

· **Class** 2 Gases.  
 · **Label** 2.1

· **14.4 Packing group**  
 · **ADR, IMDG, IATA** Void

· **14.5 Environmental hazards:**  
 · **Marine pollutant:** No

· **14.6 Special precautions for user** Warning: Gases.  
 · **Hazard identification number (Kemler code):** -  
 · **EMS Number:** F-D,S-U  
 · **Stowage Category** B  
 · **Stowage Code** SW2 Clear of living quarters.

· **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.

· **Transport/Additional information:**

· **ADR**  
 · **Limited quantities (LQ)** 1L  
 · **Excepted quantities (EQ)** Code: E0  
 Not permitted as Excepted Quantity  
 · **Transport category** 2  
 · **Tunnel restriction code** D

· **IMDG**  
 · **Limited quantities (LQ)** 1L  
 · **Excepted quantities (EQ)** Code: E0  
 Not permitted as Excepted Quantity

· **UN "Model Regulation":** UN 2037 RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES), 2.1

### SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
 · **Poisons Act**

· **Regulated explosives precursors**

None of the ingredients is listed.

· **Regulated poisons**

None of the ingredients is listed.

· **Reportable explosives precursors**

67-64-1	acetone	Listed
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· **Reportable poisons**

None of the ingredients is listed.

· **Directive 2012/18/EU**

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 10 t  
 · **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50 t

(Contd. on page 8)

## Safety data sheet according to UK REACH

Printing date 25.07.2025

Version number 7

Revision and application 02.09.2024

**Trade name: Cartouche EXPRESS**

(Contd. of page 7)

- **National regulations:**
- **Waterhazard class:** Generally not hazardous for water.

### SECTION 16: Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Relevant phrases**

- 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.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.

- **Abbreviations and acronyms:**

- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- VOC: Volatile Organic Compounds (USA, EU)
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Flam. Gas 1A: Flammable gases – Category 1A
- Press. Gas (Comp.): Gases under pressure – Compressed gas
- Flam. Liq. 2: Flammable liquids – Category 2
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- Asp. Tox. 1: Aspiration hazard – Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

- **\* Data compared to the previous version altered.**

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