

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

### 1.1 Product identifier

· Trade name: **Cartouche EXPRESS**

· Article number: 555 - 556

· Reference Safety data sheet Ref. 555 - EN - FDS n°004h

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

#### Sector of Use

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 devices operating at the vapor pressure of LPG. Fuel use for domestic, industrial and agricultural.

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

#### Manufacturer/Supplier:

GUILBERT EXPRESS

33, Avenue du Maréchal de Lattre de Tassigny

94127 FONTENAY SOUS BOIS Cedex

www.express-fds.fr

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

### 1.4 Emergency telephone number:

+33/825 800 251

ENGLAND

National Poisons Information Service :

- In England and Wales: NHS Direct - 0845 4647 ;

- In Scotland: NHS 24 - 08454 24 24 24

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 1 H220 Extremely flammable gas.

Press. Gas C 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 CLP regulation.

#### Hazard pictograms



GHS02

· Signal word **Danger**

#### 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.

(Contd. on page 2)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 28.07.2017

Version number 4

Revision and application 28.07.2017

**Trade name: Cartouche EXPRESS**

(Contd. of page 1)

- P103 Read label before use.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Do not pierce or burn, even after use.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- **2.3 Other hazards**
  - **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 68476-86-8 EINECS: 270-705-8 Reg.nr.: 02-2119651279-31-XXXX	Petroleum gases, liquefied, sweetened (Nota K, -R45, R46, <0.1% 1,3-butadiene buta-1,3-diene) ⚠ Flam. Gas 1, H220; Press. Gas C, H280	>80%
CAS: 115-07-1 EINECS: 204-062-1 Reg.nr.: 01-2119447103-50-XXXX	propene ⚠ Flam. Gas 1, H220; Press. Gas C, H280	1 - 5%

- **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**
- **After inhalation:**  
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**  
Immediately rinse with water.  
Seek immediate medical advice.  
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:**  
Do not induce vomiting; call for medical help immediately.  
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.
- **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:** Wear self-contained respiratory protective device.

(Contd. on page 3)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 28.07.2017

Version number 4

Revision and application 28.07.2017

**Trade name: Cartouche EXPRESS**

(Contd. of page 2)

**· Additional information**

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

**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.

Open and handle receptacle with care.

**· Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

**· 7.2 Conditions for safe storage, including any incompatibilities****· Storage:****· Requirements to be met by storerooms and receptacles: Store in a cool location.****· Information about storage in one common storage facility: Not required.****· Further information about storage conditions:**

Keep container tightly sealed.

Do not seal receptacle gas tight.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

**· Recommended storage temperature: Storage temperature : Room temperature****· 7.3 Specific end use(s) No further relevant information available.****SECTION 8: Exposure controls/personal protection****· Additional information about design of technical facilities: No further data; see item 7.****· 8.1 Control parameters****· Ingredients with limit values that require monitoring at the workplace:****106-97-8 butane**WEL Short-term value: 1810 mg/m<sup>3</sup>, 750 ppmLong-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****· Personal protective equipment:****· General protective and hygienic measures: Wash hands before breaks and at the end of work.****· Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.****· Protection of hands:**

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

(Contd. on page 4)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 28.07.2017

Version number 4

Revision and application 28.07.2017

**Trade name: Cartouche EXPRESS**

(Contd. of page 3)

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.

· **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 protection:**



Tightly sealed goggles

· **Body protection:** Protective work clothing

## SECTION 9: Physical and chemical properties

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

· **General Information**

· **Appearance:**

Form: Compressed liquefied gas

Colour: Colourless

· **Odour:** Characteristic

· **pH-value:** Not determined.

· **Change in condition**

Melting point/freezing point: -130 °C

Initial boiling point and boiling range: -44 °C

· **Flash point:** -100 °C

· **Flammability (solid, gas):** Not determined.

· **Ignition temperature:** 365 °C

· **Decomposition temperature:** Not determined.

· **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· **Explosion limits:**

Lower: 1.5 Vol %

Upper: 10.9 Vol %

· **Vapour pressure at 20 °C:** 8300 hPa

· **Density at 20 °C:** 0.59 g/cm<sup>3</sup>

· **Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

· **Partition coefficient: n-octanol/water:** 2.5 log POW

· **Viscosity:**

Dynamic: Not determined.

Kinematic: Not determined.

(Contd. on page 5)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 28.07.2017

Version number 4

Revision and application 28.07.2017

**Trade name: Cartouche EXPRESS**

(Contd. of page 4)

- |                              |  |
|------------------------------|--|
| <b>Solvent content:</b>      |  |
| <b>Organic solvents:</b>     | 95.0 %                                     |
| <b>VOC (EC)</b>              | 0.00 %                                     |
| <b>Solids content:</b>       |  |
|                              | 5.0 %                                      |
| <b>9.2 Other information</b> | No further relevant information available. |

### **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** Avoid temperatures above 50 °C
- **10.5 Incompatible materials:**  
Oxidizing materials  
Strong Acids  
No further relevant information available.
- **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

### **SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Risk of frostbite
- **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.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

### **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**  
Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Generally not hazardous for water
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

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(Contd. on page 6)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 28.07.2017

Version number 4

Revision and application 28.07.2017



Trade name: *Cartouche EXPRESS*

(Contd. of page 5)

### 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.

### SECTION 14: Transport information

- |  |   |
|--|---|
| · <b>14.1 UN-Number</b>  | UN2037  |
| · <b>ADR, IMDG, IATA</b>   |   |
| · <b>14.2 UN proper shipping name</b>  | 2037 RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES)                            |
| · <b>ADR</b>   | 2037 RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES)                            |
| · <b>IMDG, IATA</b>  | RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES)                                 |
| · <b>14.3 Transport hazard class(es)</b>   |   |
| · <b>ADR</b>   |   |
|  |   |
| · <b>Class</b>   | 2.1 5F  |
| · <b>Label</b>   | 2.1   |
| · <b>IMDG, IATA</b>  |   |
|  |  |
| · <b>Class</b>   | 2.1   |
| · <b>Label</b>   | 2.1   |
| · <del>ADR, IMDG, IATA</del>   | Void  |
| · <b>14.5 Environmental hazards:</b>   |   |
| · <b>Marine pollutant:</b>   | No  |
| · <b>14.6 Special precautions for user</b>                                       | Not applicable.   |
| · <b>Danger code (Kemler):</b>   | -   |
| · <b>EMS Number:</b>   | F-D,S-U   |
| · <b>Stowage Category</b>  | B   |
| · <b>Stowage Code</b>  | SW2 Clear of living quarters.   |
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable.   |
| · <b>Transport/Additional information:</b>                                       |   |
| · <b>ADR</b>   |   |
| · <b>Limited quantities (LQ)</b>   | 1L  |
| · <b>Excepted quantities (EQ)</b>  | Code: E0<br>Not permitted as Excepted Quantity                                      |

(Contd. on page 7)

**Safety data sheet**  
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Printing date 28.07.2017

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Revision and application 28.07.2017

**Trade name: Cartouche EXPRESS**

(Contd. of page 6)

- |                                 |  |
|---------------------------------|--|
| · <b>UN "Model Regulation":</b> | 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**
- **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**
- **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.  
H280 Contains gas under pressure; may explode if heated.
- **Abbreviations and acronyms:**  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ADR: Accord européen sur le transport 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 1: Flammable gases – Category 1  
Press. Gas C: Gases under pressure – Compressed gas
- **\* Data compared to the previous version altered.**

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