



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

- **1.1 Product identifier**
- **Trade name:** *Cartouches Gas Sécurisée*
- **Article number:** 8191
- **Reference Safety data sheet Ref.** 8191 - EN - FDS n°013b
- **EC number:**  
270-705-8
- **Index number:**  
649-203-00-1
- **Registration number** 02-2119651279-31-XXXX
- **UFI:** A310-E0F8-9006-SDU4
- **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  
10 rue Henry Delbast  
77183 CROISSY-BEAUBOURG  
www.express-fds.fr
- **Further information obtainable from:** 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.  
+33/825800251

## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
- 
 flame
- Flam. Gas 1A H220 Extremely flammable gas.
- Press. Gas (Diss.) H280 Contains gas under pressure; may explode if heated.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The substance is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms**
- 
 GHS02
- **Signal word** Danger
- **Hazard statements**  
H220 Extremely flammable gas.  
H280 Contains gas under pressure; may explode if heated.

(Contd. on page 2)

# Safety data sheet

## according to 1907/2006/EC, Article 31 - Regulation (EU) 2020/878

Printing date 26.04.2023

Version number 6 (replaces version 5) Revision and application 26.04.2023

**Trade name: Cartouches Gas Sécurisée**

(Contd. of page 1)

**· 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.*
- 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****· Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

**· 3.1 Substances****· CAS No. Description**

Petroleum gas (Note K, <0.1% 1,3-butadiene buta-1,3-diene)

**· Identification number(s)**

· **EC number:** 270-705-8

· **Index number:** 649-203-00-1

### SECTION 4: First aid measures

**· 4.1 Description of first aid measures**

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **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.

**· 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:** Do not allow to enter sewers/ surface or ground water.**· 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.

GB

(Contd. on page 3)

# Safety data sheet

## according to 1907/2006/EC, Article 31 - Regulation (EU) 2020/878

Printing date 26.04.2023

Version number 6 (replaces version 5) Revision and application 26.04.2023

Trade name: *Cartouches Gas Sécurisée*

(Contd. of page 2)

### 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:**

**Gaz de pétrole (Nota K, <0,1% 1,3-butadiènebuta-1,3-diène) (100%)**

WEL	Short-term value: 2180 mg/m <sup>3</sup> , 1250 ppm
	Long-term value: 1750 mg/m <sup>3</sup> , 1000 ppm
	Carc (if LPG contains > 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:** *Wash hands before breaks and at the end of work.*
- **Respiratory protection:** *Not required.*
- **Hand protection**  
*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.*
- **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** *Not required.*
- **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:** *Recognisable*
- **Melting point/freezing point:** *-187 - -138 °C*
- **Boiling point or initial boiling point and boiling range** *-0.5 °C*
- **Lower and upper explosion limit**
- **Lower:** *1.8 Vol %*

(Contd. on page 4)

# Safety data sheet

## according to 1907/2006/EC, Article 31 - Regulation (EU) 2020/878

Printing date 26.04.2023

Version number 6 (replaces version 5) Revision and application 26.04.2023

Trade name: *Cartouches Gas Sécurisée*

(Contd. of page 3)

· <b>Upper:</b>	15 Vol %
· <b>Flash point:</b>	-60 °C
· <b>Decomposition temperature:</b>	Not determined.
· <b>pH</b>	Not determined.
· <b>Kinematic viscosity</b>	
· <b>Solubility</b>	
· <b>water at 20 °C:</b>	24.4 - 60.4 mg/l
· <b>Partition coefficient n-octanol/water (log value)</b>	1.09 - 2.8 log POW
· <b>Vapour pressure at 20 °C:</b>	505 hPa
· <b>Vapour pressure:</b>	
· <b>Density and/or relative density</b>	
· <b>Density:</b>	Not determined.
· <b>Relative density at 20 °C</b>	0.4228-0.589 g/cm <sup>3</sup>

### · 9.2 Other information

· <b>Appearance:</b>	
· <b>Form:</b>	Compressed liquefied gas
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Ignition temperature:</b>	287 - 537 °C
· <b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <b>Solvent content:</b>	
· <b>Organic solvents:</b>	0.0 %
· <b>VOC (EC)</b>	0.00 %

### · Information with regard to physical hazard classes

· <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**
  - Open flame
  - Sparks
  - Avoid temperatures above 50°C

(Contd. on page 5)

# Safety data sheet

## according to 1907/2006/EC, Article 31 - Regulation (EU) 2020/878

Printing date 26.04.2023

Version number 6 (replaces version 5) Revision and application 26.04.2023

Trade name: *Cartouches Gas Sécurisée*

(Contd. of page 4)

- **10.5 Incompatible materials:** Halogen
- **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.
- **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.
- **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:**

**Gaz de pétrole (Nota K, <0,1% 1,3-butadiènebuta-1,3-diène)**

CL50 24.11-147.54 mg/l (96h) (Fish)

CE50 7.02-69.43 mg/l (48h) (daphnia)

CI50 7.71-16.5 mg/l (algae)

- **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:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### 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.

GB

(Contd. on page 6)

**Safety data sheet**  
according to 1907/2006/EC, Article 31 - Regulation (EU) 2020/878



Printing date 26.04.2023

Version number 6 (replaces version 5) Revision and application 26.04.2023

Trade name: *Cartouches Gas Sécurisée*

(Contd. of page 5)

**SECTION 14: Transport information**

· 14.1 UN number or ID number · ADR, IMDG, IATA	UN2037
· 14.2 UN proper shipping name · ADR · IMDG, IATA	2037 RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES)
· 14.3 Transport hazard class(es) · ADR	
	
· Class · Label	2 5F Gases. 2.1
· IMDG, IATA	
	
· Class · Label	2 Gases. 2.1
· 14.4 Packing group · ADR, IMDG, IATA	Void
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Category · Stowage Code	Warning: Gases. - F-D,S-U B SW2 Clear of living quarters.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Excepted quantities (EQ) · Transport category · Tunnel restriction code	1L Code: E0 Not permitted as Excepted Quantity 2 D
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	120 ml Code: E0 Not permitted as Excepted Quantity
· UN "Model Regulation":	UN 2037 RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES), 2.1

GB

(Contd. on page 7)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31 - Regulation (EU) 2020/878**

Printing date 26.04.2023

Version number 6 (replaces version 5) Revision and application 26.04.2023

**Trade name: Cartouches Gas Sécurisée**

(Contd. of page 6)

**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: Water hazard class 1 (Self-assessment): slightly 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.*

**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*

*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 (Diss.): Gases under pressure – Dissolved gas*

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