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Email: sales@insette.com Website: www.insette.com

1.1 Product And Company Identification

Product Information. Gas Lighter Refill
Variants: Bullbrands Gas Refill – All Sizes

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

Use and substance /mixture: Gas lighter refill

1.3. Details of the supplier of the safety data sheet

Company name: L.E.C. (L`pool) Ltd.,
Alfred Street,
Wavertree,
Liverpool,
L15 4LH
Tel: +44 (0)151 734 1411
Fax: +44(0)151 734 4054
Email: steve@insette.com

1.4. **Emergence telephone number**

Emergency tel: +44(0)151 734 1411
(Office hours only)

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Section 2:Hazards identification

2.1 Classification of the substance or mixture

Classification under CLP: Danger extremely flammable aerosol
Most important adverse effects: Extremely flammable
May cause an allergic skin reaction

2.2 Label elements

Hazard statements: H222: Danger: extremely flammable aerosol.

Signal words: Danger
Hazard pictograms: GHS02: Flame

Hazard Statements: H222 Extremely flammable aerosol
H229 Pressurised container. May burst if heated.

Precautionary statements:
P102: Keep out of reach of children.
P211: Do not spray on an open flame or other ignition source.
P251: Pressurized container: Do not pierce or burn, even after use.
P371+P380+P375: In case of major fire and large quantities: Evacuate area, Fight fire remotely due to risk of explosion.
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 ^{o}C

2.3. Other hazards.

Breathing of high vapour concentrations may cause central nervous system (CNS) depression resulting in dizziness, light-headedness, drowsiness, headache and nausea.
Abuse via wilful inhalation of very high concentration of product vapour, even for short periods of time can induce unconsciousness and may prove fatal.
High gas concentrations will displace available oxygen from the air; unconsciousness and death may occur suddenly from lack of oxygen.
Exposure to rapidly expanding gases may cause frost burns to eyes and/or skin..

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Section 3:
Composition/information on ingredients

3.2 Mixtures

Hazardous ingredient:

Ingredient	EINECS	CAS	Reach number	CLP Classification	Percent
PRTROLEUM GASES, LIQUEFIED	270-704-2	68476-85-7	Exempt	H220; H280 Flammable Gas, Category 1	100%

Section 4:
First aid measures

4.1. Description of first aid measures

Skin contact: In the event of frostbite, slowly warm the exposed area by rinsing with warm water. Obtain medical treatment immediately.
Keep warm and at rest. Seek medical advice before removing clothing. Contaminated clothing may be a fire hazard and therefore should be soaked with water before being removed.

Eye contact: DO NOT DELAY. Obtain medical treatment immediately. Remove contact lenses, if present and easy to do. Continue rinsing. Flush eye with copious quantities of water..

Ingestion: In the unlikely event of ingestion, obtain medical attention immediately.

Inhalation: Remove the affected person into fresh air. If breathing but unconscious, place in the recovery position. If breathing has stopped, apply artificial respiration. If heartbeat absent, give external cardiac compression. Monitor breathing and pulse. Seek urgent medical advice.

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

General Information: The severity of the symptoms described will vary dependant on the concentration and length of exposure.

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

Treat symptomatically.Administer oxygen if necessary.

Section 5:

Fire-fighting measures

5.1. Extinguishing media.

Extinguishing media: Use water spray to cool containers.
Carbon dioxide.
Dry chemical powder.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Extremely flammable

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Fight fire remotely due to possible exploding aerosol containers.

Section 6

Accidental release measures

6.1. Personal precaution, protective equipment and emergency procedures.

Personal precaution: Wear protective clothing, gloves eye and face protection. Eliminate all sources of ignition. Evacuate the area immediately.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Method and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Dispose of according to the Local Authority Regulations.

6.4. Reference to other sections: None

Section 7:

Handling and storage

7.1. Precaution for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Smoking is forbidden. Pressurised container: Do not pierce or burn, even after use.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep away from sources of Ignition. Keep out of direct sunlight.

Suitable packaging: As supplied aerosol containers

7.3. Specific end use(s): The identified uses for this product are detailed in section 1.2.

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Section 8:

Exposure controls/personal protection

8.1. Control parameters

Hazard ingredients:

Workplace exposure limits:

PETROLEUM GASES LIQUEFIED		
EH40 WEL	EH40 WEL	EH40 WEL
TWA (8-hour reference period)	TWA (8-hour reference period)	TWA (8-hour reference period)

8.2. Exposure Control

Engineering measures: Ensure there is sufficient ventilation of the area, ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: Gas/vapour filter, type A: organic Vapours (EN141).

Hand protection: Use protective gloves to specification EN1149-5 compliant.

Eye protection: Tightly fitting safety goggles

Skin protection: Protective Clothing.

Environmental: Prevent from entering in public sewers or the immediate environment.

Section 9:

Physical and chemical properties

9.1. Physical and chemical properties

Physical State	Aerosol
Appearance(Aerosol)	Colourless. Liquid under pressure.
Odour	Odourless if unstenched.
Ph	N/A

Melting Point/Freezing Point	No data available
Boiling Point/Range	Typical -40 °C to -2 °C / -40 °F to 28 °F 1,013 hPa
Flash Point	Typical <- 60 °C / - 76 °F
Evaporation Rate	No data available
Flammability (Solid, Gas)	Extremely flammable
Upper/Lower Flammability	No data available
Vapour Pressure	4.5 bar @20c
Specific Gravity	0.560
Water Solubility	Negligible
Solubility Other Solvents	No data available
Partition Coefficient: n-octanol/water	ca. 2.3 to 2.8
Auto-Ignition Temperature	Typical 365 °C / 689 °F
Viscosity	No data available
Explosive Properties	No data available
Oxidising Properties	No data available

9.2. Other information

Other information: No data available

Section 10:

Stability and reactivity

10.1. Reactivity: No, product will not become self-reactive.

10.2. Chemical stability: Stable.

10.3. Possibility of hazardous reaction: No, hazardous, exothermic polymerization cannot occur.

10.4. Conditions to avoid: Heat, open flames, sparks and flammable atmospheres.

10.5. Incompatible materials: Strong oxidising agents (e.g. Chlorates & Nitrates)

10.6. Hazardous decomposition products: In combustion emits fumes of carbon dioxide/carbon Monoxide.

Section 11

Toxicological information

11.1. Information on toxicological effects

Symptoms/routes of exposure

Skin contact: Not irritating to skin..

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: Inhalation of vapours or mists may cause irritation to the respiratory system.

Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

Acute Toxicity;	No known effect
Skin Corrosion/Irritation;	Not irritating to skin.
Serious Eye Damage/Irritation;	Essentially non-irritating to eyes.
Respiratory Or Skin Sensitisation;	Not expected to be a sensitiser.
Germ Cell Mutagenicity;	No evidence of mutagenic activity.
Carcinogenicity;	Not expected to be carcinogenic.
Reproductive Toxicity;	Not expected to impair fertility. Not a developmental toxicant.

STOT-Single Exposure;	High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death.
STOT-Repeated Exposure;	Low systemic toxicity on repeated exposure.
Aspiration Hazard.	Not considered an aspiration hazard.

12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

Toxicity

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Toxicity to fish					
Component	**CAS**	**End Point**	**Species**	**Value**	**Exposure Time**
Liquefied petroleum gas	68476-85-7	**LC50**	Fish	Physical properties indicate that petroleum gases will rapidly volatilise from the aquatic environment and that acute and chronic effects would not be observed in practice.	

Toxicity to aquatic invertebrates				
Component	**CAS**	**End Point**	**Species**	**Value**
Liquefied petroleum gas	68476-85-7		Physical properties indicate that petroleum gases will rapidly volatilise from the aquatic environment and that acute and chronic effects would not be observed in practice	

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Toxicity to aquatic plants					
Component	**CAS**	**End Point**	**Species**	**Value**	**Component**
Liquefied petroleum gas	68476-85-7			Physical properties indicate that petroleum gases will rapidly volatilise from the aquatic environment and that acute and chronic effects would not be observed in practice	

Persistence and degradability		
Component	**CAS**	**Biodegradation**
Liquefied petroleum gas	**68476-85-7**	Expected to be readily biodegradable. Oxidises rapidly by photo chemical reactions in air.

Bio accumulative Potential		
Component	**CAS**	**Bio concentration factor (BCF)**
Liquefied petroleum gas	68476-85-7	Not expected to bio accumulate significantly.

Mobility		
Component	**CAS**	**End point**
Liquefied petroleum gas	68476-85-7	Because of their extreme volatility, air is the only environmental compartment that hydrocarbon gases will be found.

PBT and vPvB assessment		
Component	**CAS**	**Results**
Liquefied petroleum gas	68476-85-7	The substance does not fulfil all screening criteria for persistence, bioaccumulation and toxicity and hence is not considered to be PBT or vPvB.

Other adverse effects: In view of the high rate of loss from solution, the product is unlikely to pose a significant hazard to aquatic life.

Section 13:
Disposal considerations

13.1. Waste treatment methods

Disposal operations: Dispose of as per the Local Authority Regulations.

Section 14: Transport information

Classified as dangerous goods for carriage under road/rail/sea/air regulations. This product is packed in accordance with the Limited Quantity Provisions of CDG, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the Limited Quantities requirements of these regulations.

14.1. UN number : UN1950

14.2. UN proper shipping name: AEROSOLS

14.3. Transport hazard class(es): 2.2

14.4 Packing group: None allocated

14.5. Environmental hazards

Environmentally hazards: No **Marine pollutant:** No

14.6. Special precautions for user: See section 8 for safe handling

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Section 15: Regulatory information

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

EU legislation.

The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. Ingredients are listed with classification under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

15.2. Chemical safety assessment: No chemical safety assessment has been performed for this substance due to its REACH (Annex V) exemption

Section 16: Other information

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.

CLP Hazard Statements
H220 Extremely flammable gas.
H280 Contains gas under pressure; may explode if heated.

Key literature references and sources for data
Material Safety Data Sheet, Miscellaneous manufacturers.

Revision : Original January 2020

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SDS status The Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Hazard Statements relating to this Product see Section 2.

Hazard statements in full : H220 Extremely flammable gas.
H280 Contains gas under pressure; may explode if heated.

Abbreviations & Acronyms

ADN European Agreement Concerning the International Carriage of Dangerous Goods by Inland waterways
ADR European Agreement Concerning the International Carriage of Dangerous Goods By Road
CAS Chemical Abstract Service Number
CDG The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations
CLP Classification Labelling & Packaging Regulation (EC No. 1272/2008)
COMAH Control of Major Accident Hazards
DSEAR The Dangerous Substances and Explosive Atmospheres Regulations
EH40 Workplace exposure limits -Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations
EINECS European Inventory of Existing Commercial Chemical Substances
EN European Standard
GHS Global Harmonised System of Classification and Labelling of Chemicals
IMDG International Maritime Dangerous Goods Code
OEL Occupational Exposure Limit
PBT Persistent Bio accumulative and Toxic
vPvB Very Persistent and Very Bio accumulative
PPE Personal Protective Equipment
PSSR The Pressure Systems Safety Regulations
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals
RID Regulations Concerning the International Carriage of Dangerous Goods by Rail
RIDDOR Reporting of Injuries, Diseases and Dangerous Occurrences Regulations
STEL Short-Term Exposure Limit
TWA Time-Weighted Averages
WEL Workplace Exposure Limit