



Safety Data Sheet

LPG

Version 1.00

Revision Date 31.05.2022

SECTION 1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name

LPG

Synonyms

Liquefied petroleum gas, Petroleum gas

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

Use

For industrial use only.

Manufacturer or supplier's details

Company

Sasol Oil Pty (Ltd)

Address

Sasol Place, 50 Katherine Street
Sandton
2090
South Africa

Telephone

+27860335444

E-mail address

sasolchem.info.sa@sasol.com

Emergency telephone number

South Africa: 0800 11 28 90; International: +27 17 610 4444

SECTION 2. Hazards identification

Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Classification

Gases under pressure

Flammable gases

Category 1

Carcinogenicity

Category 1

Germ cell mutagenicity

Category 1

Label elements

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Hazard pictograms



Signal word

Danger

Hazard statements

- H280 Contains gas under pressure; may explode if heated.
- H220 Extremely flammable gas.
- H350 May cause cancer by inhalation.
- H340 May cause genetic defects if inhaled.

Precautionary statements

Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response

P377 Leaking gas fire: Do not extinguish, unless leak can be stopped safely.

P381 In case of leakage, eliminate all ignition sources.

P318 If exposed or concerned, get medical advice.

Storage

P410 + P403 Protect from sunlight. Store in a well-ventilated place.

P405 Store locked up.

Disposal

P501 Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

SECTION 3. Composition/information on ingredients

Substance

Petroleum gases, liquefied; Petroleum gas

Contents: 100.00 %W/W

CAS-No. 68476-85-7

Index-No. 649-202-00-6

EC-No. 270-704-2

Hazard statements H220 H340 H350

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SECTION 4. First aid measures

Description of necessary first-aid measures

Inhalation	Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Skin contact	Avoid skin contact with leaking liquid (danger of frostbite). Wash off immediately with plenty of water for at least 15 minutes. Dermal contact with a rapidly evaporating liquid could result in frosting of the tissues or frostbite. Try to warm up frozen tissues. Get medical attention immediately if irritation develops and persists. Clothing frozen to skin should be thawed before being removed. No known effects upon contact with gas.
Eye contact	Causes frostbite burns to eyes. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Get medical attention immediately. No known effects upon contact with gas.
Ingestion	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Call a physician immediately.

Most important symptoms/effects, acute and delayed

Refer to SECTION 11

SECTION 5. Firefighting measures

Suitable extinguishing media	Water spray. Dry powder. Foam.
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Special hazards arising from the substance or mixture In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. Flash back possible over considerable distance. Risk of bursting. Cool closed containers exposed to fire with water spray. Vapours are heavier than air and may spread along floors.

Special protective equipment for firefighters In the event of fire and/or explosion do not breathe fumes. Wear self-contained breathing apparatus and protective suit.

SECTION 6. Accidental release measures

Personal precautions Keep people away from and upwind of spill/leak. Remove all sources of ignition. Do not breathe vapours or spray mist.

Environmental precautions Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.

Methods for cleaning up IN CASE OF SPILL OR LEAK, confine and allow to evaporate.

Reference to other sections Refer to section 8 and 13

SECTION 7. Handling and storage

Safe handling advice Do not breathe vapours or spray mist. Wear personal protective equipment. Vapours are heavier than air and may spread along floors.

Advice on protection against fire and explosion Keep away from open flames, hot surfaces and sources of ignition. Use explosion-proof equipment.

Requirements for storage areas and containers Keep containers tightly closed in a cool, well-ventilated place.

Advice on common storage No data available.

SECTION 8. Exposure controls/personal protection

Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

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Contains no substances with occupational exposure limit values.

Exposure controls

Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms.

Personal protective equipment

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

PVC disposable gloves, The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other., Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time., Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).

Gloves suitable for permanent contact:

Material: nitrile rubber/nitrile latex

Break through time: \geq 480 min

Material thickness: 0.35 mm

Gloves suitable for permanent contact:

Material: butyl-rubber

Break through time: \geq 480 min

Material thickness: 0.5 mm

gloves suitable for splash protection:

Material: natural rubber/natural latex

Break through time: \geq 60 min

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Material thickness: 0.5 mm

Eye protection	Safety glasses with side-shields.
Skin and body protection	Safety shoes. Protective suit.
Hygiene measures	Wash hands before breaks and immediately after handling the product.

SECTION 9. Physical and chemical properties

Information on basic physical and chemical properties

Form	Liquefied gas
State of matter	Gaseous
Colour	Colourless
Odour	Foul smell (caused by odorant added - ethyl mercaptan)
Odour Threshold	No data available.
pH	No data available.
Melting point/freezing point	No data available.
Boiling point/boiling range	min. -42.17 ° C
Flash point	-104 ° C; closed cup
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Auto-ignition temperature	434.9 ° C
Lower explosion limit	1.9 %(V)
Upper explosion limit	8.5 %(V)
Vapour pressure	No data available.
Relative vapour density	1.5
Density	0.5 - 0.59 g/cm ³
Water solubility	Immiscible
Partition coefficient: n-octanol/water	No data available.

SECTION 10. Stability and reactivity

Reactivity	Stable under normal conditions. No decomposition if used as directed.
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Chemical stability	No data available.
Possibility of hazardous reactions	Oxidizing agents.
Conditions to avoid	Heat, flames and sparks.
Materials to avoid	Oxidizing agents.
Hazardous decomposition products	Carbon oxides

SECTION 11. Toxicological information

Acute inhalation toxicity	LC50 Rat: 15 min; gas; 1,442.738 - 1,443 mg/l;
Acute inhalation toxicity	LC50 Mouse: 2 h; gas; 1,237 mg/l;
Sensitisation	No data available.
Repeated dose toxicity	No data available.

SECTION 12. Ecological information

Toxicity to fish	4 d; LC50; 24.11 - 147.54 mg/l;
Toxicity to daphnia and other aquatic invertebrates	48 h; LC50; 14.22 - 69.43 mg/l
Toxicity to bacteria	4 d; EC50; 7.71 - 16.5 mg/l

SECTION 13. Disposal considerations

Product	Dispose of in accordance with local regulations.
Packaging	Dispose of spent product packaging responsibly and lawfully with due consideration for health, safety and the environment.

SECTION 14. Transport information

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DG Pictogram



ADR

UN number: 1075

Class: 2
2F;

Proper shipping name: PETROLEUM GASES, LIQUEFIED

RID

UN number: 1075

Class: 2
2F

Proper shipping name: PETROLEUM GASES, LIQUEFIED

ADNR

UN number: 1075

Class: 2
2F

Proper shipping name: PETROLEUM GASES, LIQUEFIED

IMDG

UN number: 1075

Class: 2.1
EmS: F-D, S-U

Proper shipping name: PETROLEUM GASES, LIQUEFIED

ICAO/IATA

UN number : 1075

Class: 2.1

Proper shipping name: Petroleum gases, liquefied

SECTION 15. Regulatory information

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

Canada. DSL - Domestic Substances List, All chemical constituents are listed in: Canada. DSL - Domestic

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part of CEPA	Substances List, part of CEPA (See chapter 3)
Australia. AICS - Australian Inventory of Chemical Substances	All chemical constituents are listed in: Australia. AICS - Australian Inventory of Chemical Substances (See chapter 3)
New Zealand Inventory of Chemical Substances	All chemical constituents are listed in: New Zealand Inventory of Chemical Substances (See chapter 3)
Japan. ENCS - Existing and New Chemical Substances Inventory	All chemical constituents are listed in: Japan. ENCS - Existing and New Chemical Substances Inventory (See chapter 3)
Japan. Industrial Safety and Health Law - Inventory	All chemical constituents are listed in: Japan. Industrial Safety and Health Law - Inventory (See chapter 3)
Korea. KECI - Korean Existing Chemicals Inventory	All chemical constituents are listed in: Korea. KECI - Korean Existing Chemicals Inventory (See chapter 3)
Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances	All chemical constituents are listed in: Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances (See chapter 3)
China. IECSC - Inventory of Existing Chemical Substances in China	All chemical constituents are listed in: China. IECSC - Inventory of Existing Chemical Substances in China (See chapter 3)
Taiwan. Chemical Substances Inventory (TCSI)	All chemical constituents are listed in: Taiwan. Chemical Substances Inventory (TCSI) (See chapter 3)
USA TSCA Inventory	All chemical constituents are listed in: USA TSCA Inventory (See chapter 3)

SECTION 16. Other information

Full text of H-Statements

- H220 Extremely flammable gas.
- H340 May cause genetic defects.
- H350 May cause cancer.

All reasonable efforts were exercised to compile this SDS in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The SDS only provides information regarding the health, safety



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and environmental hazards at the date of issue, to facilitate the safe receipt, use and handling of this product in the workplace and does not replace any product information or product specifications. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which this product may be handled, used and received in the workplace, it remains the obligation of each user, receiver or handler to, prior to usage, review this SDS in the context within which this product will be received, handled or used in the workplace. The user, handler or receiver must ensure that the necessary mitigating measures are in place with respect to health and safety. This does not substitute the need or requirement for any relevant risk assessments to be conducted. It further remains the responsibility of the receiver, handler or user to communicate such information to all relevant parties that may be involved in the receipt, use or handling of this product.

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