



SAFETY DATA SHEET

According to Safe Work Australia

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Printing date 12.10.2016

Revision: 12.10.2016

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: LIQUIFIED PETROLEUM GAS (LPG) - 1120

Recommended Use of the Chemical and Restriction on Use:

Fuel for home and industrial use, propellant, expandant and refrigerant.

Details of Manufacturer or Importer:

Primus Australia Pty Ltd trading as Companion Brands

3/20 Enterprise Drive

Bundoora VIC 3083

Phone Number: 03 9468 4400

Emergency telephone number: National Poison Information Centre: 13 11 26

2 . HAZARDS IDENTIFICATION

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



flame

Flammable Gases 1

H220 Extremely flammable gas.



gas cylinder

Gases Under Pressure (Liquefied gas) H280 Contains gas under pressure; may explode if heated.

Signal Word Danger

Hazard Statements

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

Precautionary Statements

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 Eliminate all ignition sources if safe to do so.

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

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterisation: Substances

CAS No. Description

68476-40-4 Hydrocarbons, C3-4 100%

Additional information:

This product contains less than 0.1% 1,3 butadiene.

The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0.1 % w/w 1,3-butadiene (CAS No 106-99-0). This note applies only to certain complex oil-derived substances (including CAS No 68476-40-4).

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4 . FIRST AID MEASURES

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention.

Ingestion: Ingestion is not considered a potential route of exposure.

Symptoms Caused by Exposure:

Inhalation: This product is slightly narcotic. High concentrations can cause asphyxiation.

Skin Contact: This product evaporates quickly and may cause cold burns when in contact with skin.

Eye Contact: This product evaporates quickly and may cause cold burns when in contact with eyes.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Carbon dioxide, dry chemical and any extinguishers suitable for class C fireworks. Do not use water or foam extinguishers.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon.

Product is extremely flammable. Vapours may travel considerable distances to a source of ignition where they can ignite, flashback, or explode.

Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Do not extinguish a fire if you cannot stop the gas leak, as reignition could occur.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and ventilate the area. Use only non-sparking tools.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:

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Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Take precautionary measures against static discharge. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Avoid sudden decompression of vessels, as it has a significant cooling effect. Keep away from oxidising agents.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:

68476-40-4 Hydrocarbons, C3-4

TLV-TWA 1000 ppm

Engineering Controls: Ensure adequate ventilation of the working area.

Respiratory Protection:

Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Leather, wool or aramid blend gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Compressed liquefied gas
Colour:	Colourless
Odour:	Characteristic if odourised
Odour Threshold:	0.2 - 0.4% with odouriser
pH-Value:	Neutral
Melting point/Melting range:	-138 °C (butane)
Initial Boiling Point/Boiling Range:	-0.5 °C (butane)
Flash Point:	-60 °C (butane)
Flammability:	Extremely flammable
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available

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Density at 15 °C:	0.584 g/cm ³ (butane)
Vapour Density:	2 (butane)
Solubility in Water:	Marginal
Solubility in Solvents:	Soluble in ether, methanol and ethanol.
Viscosity:	0.11 - 0.17 mPas

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.**Conditions to Avoid:**

Heat, sparks, open flames and other sources of ignition. Avoid sudden decompression of vessels, as it has a significant cooling effect.

Incompatible Materials: Oxidising agents.**Hazardous Decomposition Products:** Oxides of carbon.

11 . TOXICOLOGICAL INFORMATION

Toxicity:**Acute Health Effects****Inhalation:** This product is slightly narcotic. High concentrations can cause asphyxiation.**Skin:** This product evaporates quickly and may cause cold burns when in contact with skin.**Eye:** This product evaporates quickly and may cause cold burns when in contact with eyes.**Ingestion:** Ingestion is not considered a potential route of exposure.**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** No information available**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:** No information available

12 . ECOLOGICAL INFORMATION

Ecotoxicity: No data is available on finished product due to its high volatility.**Aquatic toxicity:** This product does not persist in the aquatic environment.**Persistence and Degradability:** No further relevant information available.

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Bioaccumulative Potential: No further relevant information available.**Mobility in Soil:** No further relevant information available.**Other adverse effects:**

This product is classified as non polluting to water.

This product has no Ozone Depletion Potential.

13 . DISPOSAL CONSIDERATIONS**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 . TRANSPORT INFORMATION**UN Number****ADG, IMDG, IATA**

UN2037

Proper Shipping Name**ADG, IMDG, IATA**

RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES)

Dangerous Goods Class**ADG Class:**

2.1

Packing Group:

Not applicable

EMS Number:

F-D,S-U

Hazchem Code:

Not applicable

Special Provisions:

191, 277, 303, 344

Limited Quantities:

1L

Packagings & IBCs - Packing Instruction:

P003

Packagings & IBCs - Special Packing Provisions: PP17**15 . REGULATORY INFORMATION****Australian Inventory of Chemical Substances:**

68476-40-4 Hydrocarbons, C3-4

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Not Scheduled.

16 . OTHER INFORMATION**Date of Preparation or Last Revision:** 12.10.2016**Prepared by:** MSDS.COM.AU Pty Ltd

www.msds.com.au

Abbreviations and acronyms:

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

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Flammable Gases 1: Flammable gases – Category 1

Gases Under Pressure (Liquefied gas): Gases under pressure – Liquefied gas

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011”

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. Primus Australia Pty Ltd trading as Companion Brands makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.

Not applicable