



Safety Data Sheet

according to WHS Regulations

Printing date 04.10.2018

Revision: 02.10.2018

1 Identification

Product Name: COMMAND GAS BLOW TORCH**Other Means of Identification:** Mixture**Part Number:** 205023**Recommended Use of the Chemical and Restriction on Use:** Fire ignition**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 Hazard(s) 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

Press. Gas C 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/sparks/open flames/hot surfaces. 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 Characterization: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

CAS: 75-28-5	Propane, 2-methyl- ⚠ Flammable Gases 1, H220; ⚠ Press. Gas C, H280	60.9816%
CAS: 106-97-8	Butane ⚠ Flammable Gases 1, H220; ⚠ Press. Gas C, H280	19.2916%

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CAS: 74-98-6	Propane ⚠ Flammable Gases 1, H220; ⚠ Press. Gas L, H280	18.2702%
CAS: 74-84-0	Ethane ⚠ Flammable Gases 1, H220; ⚠ Press. Gas C, H280	1.0461%
CAS: 107-01-7	Butene, mixed-1-and-2-isomers ⚠ Flammable Gases 1, H220; ⚠ Press. Gas C, H280	0.2346%
CAS: 115-11-7	2-methylpropene ⚠ Flammable Gases 1, H220; ⚠ Press. Gas C, H280	0.1538%
CAS: 109-66-0	Pentane ⚠ Flammable Liquids 2, H225; ⚠ Aspiration Hazard 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H336	0.0172%

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 if symptoms occur.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: Concentrations above 10% may cause weakness, headaches, nausea, dizziness, confusion, blurred sight and sleepiness. High concentrations may cause asphyxiation leading to unconsciousness and death.

Skin Contact: Contact with gas released from pressure may cause cold burns or frostbite.

Eye Contact: Contact with gas released from pressure may cause cold burns or frostbite.

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

5 Fire Fighting Measures

Suitable Extinguishing Media: Foam, dry chemical powder, sand or carbon dioxide. Do not use water jet.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon and various hydrocarbons.

Product is extremely flammable. Vapours may travel considerable distances to a source of ignition where they can ignite, flashback, or explode. Do not extinguish gas fire if leak cannot be shut off.

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.

Special Protective Equipment and Precautions for Fire Fighters:

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

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6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Monitor oxygen levels. Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Ensure adequate ventilation.

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:

In case of a leak, remove cylinder(s) to a well-ventilated or outdoors area and slowly discharge the gas to the atmosphere. Allow the gas mixture to dissipate. Prevent from accumulating in low areas or basements. Do not attempt to repair leaking valve or cylinder safety devices.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Do not weld, cut or drill on full or empty container. Always open valve slowly. Keep cylinders and valves free of oil and grease. Never lift cylinders by valve protection cap. Do not drag, slide, roll or drop cylinders. 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. Ensure valve is properly protected. Protect containers from falling over. Protect cylinders from physical damage. Protect from heat, sparks, open flames and other sources of ignition. Keep at temperatures below 40 °C. Keep away from strong oxidising agents.

8 Exposure Controls and Personal Protection

Exposure Standards:
CAS: 106-97-8 Butane

WES TWA: 1900 mg/m³, 800 ppm

CAS: 74-98-6 Propane

WES Asphyxiant

CAS: 74-84-0 Ethane

WES Asphyxiant

CAS: 109-66-0 Pentane

WES STEL: 2210 mg/m³, 750 ppm
TWA: 1770 mg/m³, 600 ppm

Engineering Controls:

Maintain air concentration below occupational exposure standards, providing adequate ventilation. Use explosion-proof ventilating equipment.

Respiratory Protection:

Respiratory protection is not required under normal use conditions.

Use an approved supplied-air respirator under conditions where oxygen levels are likely to fall below 18% 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. When selecting hand protection, the product should comply with relevant performance criteria.

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For example, gloves should meet a suitable level of abrasion resistance to provide protection against hazards of a workplace.

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:	Gaseous
Colour:	Colourless
Odour:	Characteristic
Odour Threshold:	No information available
pH-Value:	Not applicable
Melting point/freezing point:	-135.36 °C
Initial Boiling Point/Boiling Range:	-0.5 °C
Flash Point:	Not applicable
Flammability:	Extremely flammable
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	19 %
Upper:	84 %
Vapour Pressure:	No information available
Relative Density:	0.5730
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	No information available
Solubility in Solvents:	Soluble in petrol, kerosene, toluene and other hydrocarbons. Practically insoluble in ethanol, ether and chloroform.
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	Not applicable

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.

Incompatible Materials: Strong oxidising agents.

Hazardous Decomposition Products: Oxides of carbon and various hydrocarbons.

11 Toxicological Information

Toxicity:**LD₅₀/LC₅₀ Values Relevant for Classification:****CAS: 106-97-8 Butane**Inhalation LC₅₀/4 h 658 mg/l (rat)

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CAS: 74-98-6 PropaneInhalation LC₅₀/4 h 658 mg/l (rat)**Acute Health Effects****Inhalation:**

Concentrations above 10% may cause weakness, headaches, nausea, dizziness, confusion, blurred sight and sleepiness. High concentrations may cause asphyxiation leading to unconsciousness and death.

Skin: Contact with gas released from pressure may cause cold burns or frostbite.

Eye: Contact with gas released from pressure may cause cold burns or frostbite.

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:**

Aquatic toxicity: No further relevant information available.

Persistence and Degradability: No further relevant information available.

Bioaccumulative Potential: No further relevant information available.

Mobility in Soil: This product is highly volatile.

Other adverse effects: No further relevant information available.

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

UN1057

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Proper Shipping Name ADG, IMDG, IATA	LIGHTERS
Dangerous Goods Class ADG Class:	2.1
Packing Group:	Not applicable
EMS Number:	F-D,S-U
Hazchem Code:	Not applicable
Special Provisions:	201
Limited Quantities:	0
Packagings & IBCs - Packing Instruction:	P002
Packagings & IBCs - Special Packing Provisions:	PP84

15 Regulatory Information

Australian Inventory of Chemical Substances:

CAS: 75-28-5	Propane, 2-methyl-
CAS: 106-97-8	Butane
CAS: 74-98-6	Propane
CAS: 74-84-0	Ethane
CAS: 107-01-7	Butene, mixed-1-and-2-isomers
CAS: 115-11-7	2-methylpropene
CAS: 109-66-0	Pentane

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Not Scheduled.

16 Other Information

Date of Preparation or Last Revision: 02.10.2018**Prepared by:** MSDS.COM.AU Pty Ltdwww.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)
 LC₅₀: Lethal concentration, 50 percent
 LD₅₀: Lethal dose, 50 percent
 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)
 Flammable Gases 1: Flammable gases – Category 1
 Press. Gas C: Gases under pressure – Compressed gas
 Press. Gas L: Gases under pressure – Liquefied gas
 Flammable Liquids 2: Flammable liquids – Category 2
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 Aspiration Hazard 1: Aspiration hazard – Category 1
 Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2

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Disclaimer

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