

Printing date 20.01.2023

Revision: 20.01.2023

1 Identification

Product Name: AIR DUSTER (Part # 211812)

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Cleaning

Details of Manufacturer or Importer:

Adventure Trading Australia Pty Ltd
71 Charles Ulm Place
Eagle Farm QLD 4009

Phone Number: (07) 3193 1110

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:

74-98-6	Propane	Flammable Gases 1, H220; Press. Gas L, H280	30 - 60%
75-28-5	Propane, 2-methyl-	Flammable Gases 1, H220; Press. Gas C, H280	30 - 60%
106-97-8	Butane	Flammable Gases 1, H220; Press. Gas C, H280	30 - 60%
124-38-9	Carbon dioxide	Press. Gas C, H280	2%

Additional information: This product contains less than 0.1% butadiene (CAS No. 106-99-0)

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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 for at least 15 minutes.

If frostbite or freezing has occurred, warm the skin with warm water and gently wrap in a blanket. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, hold eyelids open and rinse with water or saline solution for at least 15 minutes. Seek medical attention if symptoms occur.

Ingestion:

If swallowed, do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if symptoms occur.

Symptoms Caused by Exposure:

Inhalation: Simple asphyxiant. This product displaces air and may cause unconsciousness and death. May cause Central Nervous System (CNS) depression, difficulty breathing, nausea, vomiting, coma or paralysis. Concentration above 19000 ppm may pose immediate danger to life.

Skin Contact: Contact may cause freezing or frostbite.

Eye Contact: Contact may cause frostbite and loss of vision.

Ingestion: Ingestion is not considered a likely route of exposure, but may cause frostbite or freezing of the mouth and throat.

5 Fire Fighting Measures

Suitable Extinguishing Media: Water fog, dry chemical or carbon dioxide.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon.

Product is extremely flammable. Vapours are heavier than air and 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.

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 only if safe to do so. Collect leaking container(s) and place in a well ventilated area until gas disperses. Water fog can be used to disperse gas. Dispose according to applicable local and state government regulations.

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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. 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. Protect from direct sunlight, heat, sparks, open flames and other sources of ignition. Do not expose to temperatures exceeding 38°C. Keep away from strong oxidising agents, nitric acid, chlorine dioxide, carbonyl nickel and acids.

8 Exposure Controls and Personal Protection

Exposure Standards:

74-98-6 Propane

WES Asphyxiant

106-97-8 Butane

WES TWA: 1900 mg/m³, 800 ppm

124-38-9 Carbon dioxide

WES STEL: 54000 mg/m³, 30000 ppm
TWA: 9000 *22500 mg/m³, 5000 *12500 ppm
*in coal mines

Engineering Controls:

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

Respiratory Protection:

Use an approved air-supplied respirator or self-contained breathing apparatus under conditions where high concentrations are likely 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. For example gloves should be insulated to provide protection against the cold.

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 foreign objects. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:

Compressed gas

Colour:

Colourless

Odour:

Odourless. Occasionally smells like rotten garlic.

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Odour Threshold:	Not determined.
pH-Value:	Not determined.
Melting point/freezing point:	-187.7 - -56.6 °C
Initial Boiling Point/Boiling Range:	-42.1 - -0.5 °C
Flash Point:	-104.4 - -73.3 °C
Flammability:	Extremely flammable
Ignition Temperature	287 - 466.1 °C
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	1.8 - 2.2 Vol %
Upper:	8.4 - 9.5 Vol %
Vapour Pressure at 20 °C:	0.214 - 0.750 MPa
Relative Density at 20 °C:	0.501 - 1.524
Vapour Density:	1.55 - 2.595
Evaporation Rate:	Not applicable
Solubility in Water at 20 °C:	0.007 g/100mL (Propane)
Partition Coefficient (n-octanol/water):	0.83 - 2.89 log POW

10 Stability and Reactivity

Possibility of Hazardous Reactions:

Hazardous polymerisation will not occur.

Presence of a strong oxidising agent may cause fire or explosion.

May explode if mixed with acids or carbonyl nickel and heated to 20 - 40 °C.

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, nitric acid, chlorine dioxide, carbonyl nickel and acids.**Hazardous Decomposition Products:** Oxides of carbon.

11 Toxicological Information

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

74-98-6 Propane

Inhalation LC₅₀/4 h 658 mg/l (rat)

106-97-8 Butane

Inhalation LC₅₀/4 h 658 mg/l (rat)

Acute Health Effects

Inhalation:

Simple asphyxiant. This product displaces air and may cause unconsciousness and death. May cause CNS depression, difficulty breathing, nausea, vomiting, coma or paralysis. Concentration above 19000 ppm may pose immediate danger to life.

Skin: Contact may cause freezing or frostbite.**Eye:** Contact may cause frostbite and loss of vision.

Ingestion:

Ingestion is not considered a likely route of exposure, but may cause frostbite of freezing of the mouth and throat.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

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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 further relevant information available.**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:** No further relevant information available.**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	UN1950
Proper Shipping Name	
ADG, IMDG, IATA	AEROSOLS
Dangerous Goods Class	
ADG Class:	2.1
Packing Group:	Not applicable
EMS Number:	F-D,S-U
Hazchem Code:	Not applicable
Special Provisions:	63, 190, 277, 327, 344, 381
Limited Quantities:	1L

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Packagings & IBCs - Packing Instruction: P207, LP200**Packagings & IBCs - Special Packing Provisions:** PP87, L2

15 Regulatory Information

Australian Inventory of Chemical Substances:

74-98-6	Propane
75-28-5	Propane, 2-methyl-
106-97-8	Butane
124-38-9	Carbon dioxide

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

16 Other Information

Date of Preparation or Last Revision: 20.01.2023**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 percentLD₅₀: 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

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 - July 2020".

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