

1. Identification of the Material and Supplier

Product Identifier:

ABE Dry Powder Chemical fire extinguisher

Recommended use of the chemical and restrictions on use:

Fire extinguishing agent.

Manufacturer/Supplier:

Antec Group Pty Ltd

9 Chicago Avenue, NSW 2148

Ph: +61 2 9622 9622

Emergency Ph: 13 11 26

2. Hazards Identification

Classification of the hazardous chemical
Classification according to the WHS
Regulations Australia and the ADG Code:
Classified as Dangerous – Gases under
Pressure – Compressed Gas

Hazard Pictograms:**Pictogram Code:**

GHS04 Gas Cylinder

Signal Word:

WARNING

Hazard Statements:

H280 Contains gas under pressure; may
explode in heated

Storage:

P410 + P403

Protect from sunlight. Store in a well-
ventilated place.

3. Composition/Information on Ingredients

Chemical identity of ingredients:

Monobasic Ammonium Phosphate
NH₄H₂PO₄

Proportion of ingredients:

90+/-3%

CAS No.:

7722-76-1

Chemical identity of ingredients:

Magnesium Aluminium Silicate (Attapulgit
Clay or Fuller's Earth) Mg_xAl_y(SiO₄)_z

Proportion of ingredients:

6-8%

CAS No.:

8031-18-3

Chemical identity of ingredients:

Silica white SiO₂

Proportion of ingredients:

≤3%

CAS No.:

7631-86-9

Chemical identity of ingredients:

Methyl Hydrogen Polysiloxane (Mixture /
preparation)

Proportion of ingredients:

≤1%

CAS No.:

63148-57-2

Chemical identity of ingredients:

Nitrogen

Proportion of ingredients:

Unknown (gas varies)

CAS No.:

7727-37-9

4. First Aid Measures

Eye contact (symptoms, special & medical treatment):

Mildly irritating following acute exposure.

In case of contact with eyes, rinse immediately with water for a minimum of 15 minutes.

If irritation persists seek medical advice.

Skin contact (symptoms, special & medical treatment):

Mildly irritating following acute exposure.

In case of contact with skin, rinse immediately with plenty of soapy water, remove exposed clothing (if required).

Inhalation (symptoms, special & medical treatment):

Transient cough, shortness of breath following acute exposure. Treat as a mineral dust irritant to the respiratory tract.

In case of inhalation to the respiratory tract, immediately extricate from exposed area.

If irritation persists seek medical attention.

Chronic overexposure can lead to Chronic fibrosis of the lung, pneumoconiosis.

Ingestion (symptoms, special & medical treatment):

Not an expected route of entry.

In case of ingestion, immediately consume large amounts of water and induce vomiting.

If irritation persists seek medical attention.

5. Fire Fighting Measures

Suitable extinguishing equipment:

This preparation is an extinguishing media.

Use extinguishing media suitable for surrounding area.

Specific hazards arising from the chemical:

Ammonia and / or phosphorus oxides can be evolved at very high temperatures.

Special protective equipment and precautions for fire fighters:

Wear breathing apparatus and protective gloves.

Prevent, by any means available, spillage from entering drains or water courses.

Hazchem Code:

Not Applicable.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Prevent skin and eye contact, as well as inhalation and ingestion. Wear appropriate PPE and clothing to minimise the risk of exposure.

Environmental precautions:

If contamination occurs in sewers or waterways, inform the local water authority in accordance with regulations of that jurisdiction.

Methods and materials for containment and cleaning up:

Sweep up / vacuum spill and place in closed container for disposal. Dispose of in compliance with national, regional and local provisions that may be in force.



7. Handling and Storage

Precautions for Safe Handling:

- Limit all unnecessary personal contact
- Wear protective clothing when risk of exposure occurs Use in a well-ventilated area
- Do not eat, drink or smoke when handling
- Always wash hands with soap and water after handling
- Avoid physical damage to containers

Other Information:

- Use good occupational work practice
- Observe manufacturer's storage and handling recommendations contained within this MSDS
- Store away from sources of heat or ignition / naked lights Store in a cool, dry, well-ventilated area
- Store in original container or fire extinguisher Keep containers securely sealed when not in use

Precautions for Safe Storage:

- Observe manufacturer's storage and handling recommendations contained within this MSDS
- Store away from sources of heat or ignition / naked lights
- Store in a cool, dry, well-ventilated area
- Store in original container or fire extinguisher
- Keep containers securely sealed when not in use

8. Exposure

Occupational Exposure Limits:

No Classification

Engineering Controls:

Use in a well ventilated area.

Personal Protective Equipment:

Eye Protection: Safety Goggles

Skin Protection: Chemical Resistance Gloves

Respiratory & Ingestion Protection: Dust Mask

9. Physical and Chemical Properties

Appearance (colour, physical form, shape):

Light grey, solid, powder

Odour: None

Odour threshold: Not Applicable

pH: Not Applicable

Vapour pressure: Not Applicable

Vapour density: Not Applicable

Boiling point/range: Not Applicable

Freezing/melting point (specify which):

Not Applicable

Evaporation rate: Data not available

Flammability: Not Applicable

Upper/Lower Flammability or Explosive

limits: Not Applicable

Solubility: Slightly Water Soluble, Not Fat soluble.

Relative density: Not Applicable

Partition coefficient (n-octanol/water): Not Applicable

Flash point and method of detecting flash

point: Not Applicable

Ignition temperature: Not Applicable

Decomposition temperature: Not Applicable

Viscosity: Not Applicable

10. Stability and Reactivity

Reactivity: Refer to section 7

Chemical stability: Stable when stored, handled and operated in accordance with this MSDS.

Conditions to avoid: Refer to section 7

Incompatible materials: Strong alkalis, magnesium, oxidizers that can release chlorine or produce Nce3 (explosive) per NFPA 10 Annex A-2-1

Hazardous decomposition products:

Ammonia and / or phosphorous oxides can be evolved at very high temperatures

11. Toxicology Information

Information on Toxicological effects:

This product has not been tested for toxicological effects.

Acute toxicity: Data not available.

Skin corrosion / irritation: Mildly irritating following acute exposure.

Serious eye damage/irritation: Mildly irritating following acute exposure.

Respiratory or skin sensitisation: Transient cough, shortness of breath following acute exposure.

Germ cell mutagenicity: Data not available.

Carcinogenicity: Data not available.

Reproductive toxicity: Data not available.

Specific Target Organ Toxicity (STOT) - single exposure: Data not available.

Specific Target Organ Toxicity (STOT) - repeated exposure: Data not available.

Aspiration hazard: Data not available.

12. Ecology Information

Ecotoxicity: Monobasic Ammonium Phosphate

Endpoint	Test Duration	Species	Value
LC50	96	Fish	>85.9mg/L
EC50	72	Aquatic Plants	>97.1mg/L
NOEC	72	Aquatic Plants	3.57/L

13. Disposal Considerations

Disposal methods and containers:

Dispose of in compliance with national, regional and local provisions that may be in force.

Physical / Chemical Properties that may affect disposal options:

Not known

Effects of Sewerage:

Not known

Special precautions for landfill or incineration:

None

14. Transport Information

Labels Required:



2.2 Non flammable, non toxic gas

Land Transport (ADG):

Classification as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road & Rail (Ed 7.3, August 2014), National Transport Commission.

UN Number: 1044

Proper Shipping Name: FIRE EXTINGUISHERS with compressed gas or liquefied gas

Transport hazard class: Class 2.2

Packing Group: Not Applicable

Environmental hazards for Transport

Purposes: Not Applicable

Special precautions for user:

Special Provisions 225

Hazchem Code: Not Applicable

**Land Transport (ADG):**

Classification as Dangerous Goods according to the Dangerous Goods Regulations, International Air Transport Association (IATA).

UN Number: 1044

Proper Shipping Name: FIRE EXTINGUISHERS with compressed gas or liquefied gas

Transport hazard class: Class 2.2

Packing Group: Not Applicable

Environmental hazards for Transport

Purposes: Not Applicable

Special precautions for user:

Special Provisions A19

Cargo Only Packing Instructions: 213

Passenger and Cargo Packing Instructions: 213

Hazchem Code: Not Applicable

Sea Transport (IMO - IMDG)

Classification as Dangerous Goods according to the International Maritime Dangerous Goods

UN Number: 1044

Proper Shipping Name: FIRE EXTINGUISHERS with compressed gas or liquefied gas

Transport hazard class: Class 2.2

Packing Group: Not Applicable

Environmental hazards for Transport

Purposes: Not Applicable

Special precautions for user:

EMS Number F-C, S-V

Special Provisions 225

Hazchem Code: Not Applicable

15. Regulation Information

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

All components of this product are listed on the Australian Inventory of Chemical Substances (AICS) or exempted.

16. Other Information

Revision, Date of preparation of this MSDS:

Rev D, 07 July 2022

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