

ABE Dry Powder Fire Extinguisher

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER:

Product Name: ABE Dry Powder

Product Use:

The intended or recommended use of this preparation is as a Fire Extinguishing Agent.

Manufacturer/Supplier:

Antec Group Pty Ltd
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Ph: +61 2 9622 9622
Emergency Ph: 13 11 26

2. HAZARDS IDENTIFICATIONS

For Humans

Product:

EU Classification: Harmful

R Phrases: 22 Harmful if swallowed.

36/37/38 Irritating to eyes, respiratory system and skin.

S Phrases: 26 In case of contact with eyes, rinse

immediately with plenty of water and seek medical advice.

36 Wear suitable protective clothing.

Components:

Monoammonium Phosphate

EU Classification: Harmful

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Ammonium sulfate

EU Classification: Irritant

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Neither this preparation nor the substances contained in it have been listed as carcinogenic by National Toxicology Program, I.A.R.C or OSHA. AS PART OF GOOD INDUSTRIAL AND PERSONAL HYGIENE AND SAFETY PROCEDURE, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Signs and Symptoms:

Acute Exposure: No data available

Eye Contact:

Mildly irritating for short periods of time.

Skin Contact:

May be mildly irritating.

Inhalation:

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

Ingestion:

Not an expected route of entry.

Chronic Overexposure:

Inhalation:

Chronic fibrosis of the lung, pneumoconiosis.

Medical conditions generally aggravated by exposure:

None known.

For Environment:

No data available.





3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name: Monoammonium Phosphate

Chemical Formula: $\text{NH}_4\text{H}_2\text{PO}_4$

CAS No: 7722-76-1

EINECS Number: 231- 764-5

Concentration, Wt%: 73+/-3%

Hazard Identification: See Heading 2

Ingredient Name: Ammonium Sulphate

Chemical Formula: $(\text{NH}_4)_2\text{SO}_4$

CAS NO: 7783-20-2

EUNECS Number: 231-984

Concentration, Wt%: 16+/-2%

Hazard Identification: See Heading 2

Ingredient Name: Magnesium Aluminium Silicate (Attapulgite Clay or Fuller's Earth)

Chemical Formula: $\text{Mg}_x\text{Al}_y(\text{SiO}_4)_z$

CAS NO: 8031-18-3

EINECS NUMBER: (b)

Concentration, Wt%: 5-7%

Hazard Identification: See Heading 2

Ingredient Name: Silica white

Chemical Formula: SiO_2

Concentration, Wt%: 3%

Hazard Identification: See Heading 2

Ingredient Name: Methyl Hydrogen Polysiloxane

Chemical Formula: Mixture / preparation

CAS NO: 63148-57-2

EINECS Number: (a)

Concentration, Wt%: 1%

Hazard Identification: See Heading 2 Grey

Ingredient Name: Pigment

Chemical Formula: C34H38C12N4O4

CAS No: 5468-75-7

EINECS Number: 226-489-3 0.05%

Concentration, Wt%: See Heading 2

Hazard Identification:

(a) EINICS does not include synthetic polymers (These are registered in EINICS under their building blocks, monomers). See :67/548/EEC, article 13, 789/831/EC; and 81/437/EC.

(b) EINECS does not include most naturally occurring raw materials. See :67/548/EEC, article 13: 79/831/EC; and 81/437/EC.

4. FIRST AID MEASURES

Eye Contact:

Wash with water for a minimum of 15 minutes. If irritation persists seek medical attention.

Skin Contact:

Wash affected area with soap and water. If irritation persists seek medical attention.

Inhalation:

Remove from exposure. If irritation persists seek medical attention.

Ingestion:

If patient is conscious, give large amounts of water and induce vomiting. Seek medical help.

5. FIRE-FIGHTING MEASURES

This preparation is an extinguishing media. Use media appropriate for surrounding materials

6. ACCIDENTAL RELEASE MEASURES:

For personal protection:

Prevent skin and eye contact, see Heading 8.

Clean up:

Sweep up and recover for use or place in closed container for disposal, see Heading 13.

No harm to the environment is expected from and accidental release of this preparation.

7. HANDLING AND STORAGE:

Handling: Care should be taken in handling all chemical substances and preparations. See incompatibility information in Heading 10.

Storage: No special conditions are needed for safe storage. Store in original container of fire extinguisher. Keep tightly closed until used. There is minimal danger to the environment from a storage release.

NOTE: The handling and storage information above applies to ABE Dry Powder stored in bulk containers and not when contained in a stored-pressure extinguisher. When stored in a stored-pressure extinguisher ensure good housekeeping practices and avoid dropping or severe impacts.



8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Exposure limit values

Nuisance dust limit:

OSHA TWA: 15mg/m²

ACGIH TLV-TWA: 10mg/m²

Exposure Controls:

Occupational Exposure Controls

Respiratory Protection:

Dust mask where dustiness is prevalent, or TLV is exceeded. Use mechanical filter respirator if exposure is prolonged.

Hand Protection:

None normally needed. Use chemical resistant gloves when handling the preparation.

Eye Protection:

Use safety glasses with side shields or safety goggles.

Skin Protection:

No special equipment is needed.

Environmental Exposure Controls:

No special controls are needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Appearance: Colour: Powder Yellow

pH: Not determined

Boiling point F (C): Not applicable

Flash Point: None

Flammability (solid/gas): Not Flammable

Explosive properties: Not explosive

Oxidising properties: Not an oxidizer

Vapour Pressure: Not applicable

Relative Density: Not applicable

Solubility: Slightly Water Soluble, Not Fat soluble

Partition coefficient: Octanol/Water: Not determined

Viscosity: Not applicable

Vapour Density (Air-1): Not applicable

Evaporation rate: Not applicable

Auto-ignition temperature: Does not ignite

10. STABILITY AND REACTIVITY:

Conditions to avoid:

There are no known conditions such as temperature, pressure, light, shock etc, which may cause a dangerous reaction.

Materials to avoid:

Strong alkalis, magnesium, oxidizers that can release chlorine or produce N₂O₃ (explosive) per NFPA 10 Annex A-2-1.

Hazardous decomposition products: .

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

11. ECOLOGICAL INFORMATION:

This product has not been tested for toxicological effects. Product is treated as a nuisance dust.

Components

Monoammonium Phosphate: Material is irritating.

Harmful if swallowed.

Ammonium Sulphate: Toxicity Date: Oral (rat) LD50
2840mg/kg

Target Organs: Lungs and gastrointestinal



12. ECOLOGICAL INFORMATION:

Ecotoxicity: Not determined

Mobility: Not determined

Persistence and degradability: Not determined

Bioaccumulative potential: Not determined

Other adverse effects: Not determined

Ozone depletion potential: None

Photochemical ozone creation potential: None **Global**

warming potential: None

13. DISPOSAL CONSIDERATIONS

No harm to the environment is expected from this preparation. Dispose of in compliance with national, regional and local provisions that may be in force.

14. TRANSPORT INFORMATION

UN Number: 1044
ADG Class: 2.2
Packing Group: Not applicable
Proper Shipping Name: FIRE EXTINGUISHERS with compressed or liquified gas

HAZCHEM

Emergency Action Code: 2TE

Avoid Transport on vehicles where the load space is not separated from the drivers compartment. Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency.

Before transporting product containers:

- Ensure there is adequate ventilation
- Ensure that containers are firmly secured
- Compliance with applicable regulations

15. REGULATORY INFORMATION

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16. OTHER INFORMATION

Hazardous Material Identification Systems Ratings (HMIS)

Key: Severe Hazard = 4, Serious Hazard = 3, Moderate Hazard = 2, Minimal Hazard = 1

Health	1
Flammability	0
Reactivity	0

DISCLAIMER OF LIABILITY:

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