

## SAFETY DATA SHEET

### FirstRESPONSE ABE POWDER FIRE EXTINGUISHER

#### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name**

ABE Powder

**Product Use**

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

**Manufacturer / Supplier**

Fire & Safety WA

96 Furniss Road, Landsdale, WA, 6065

PH +618 9302 3210

Emergency Ph +61 428 832 236

#### 2. HAZARDS IDENTIFICATIONS

**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

**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.

**Ammonium Sulphate**

**EU Classification** Irritant

**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.

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

<b>Ingredient Name</b>	Monoammonium Phosphate
<b>Chemical Formula</b>	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub>
<b>CAS No</b>	7722-76-1
<b>EINECS Number</b>	231-764-5
<b>Concentration, Wt%</b>	73+/-3%
<b>Hazard Identification</b>	See Heading 2
<b>Ingredient Name</b>	Ammonium Sulphate
<b>Chemical Formula</b>	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>
<b>CAS No</b>	7783-20-2
<b>EUNECS Number</b>	231-984
<b>Concentration, Wt%</b>	16+/-2%
<b>Ingredient Name</b>	Magnesium Aluminium Silicate (Attapulgitic Clay or Fuller's Earth)
<b>Chemical Formula</b>	Mg <sub>x</sub> Al <sub>y</sub> (SiO <sub>4</sub> ) <sub>z</sub>
<b>CAS No</b>	8031-18-3
<b>EINECS No</b>	(b)
<b>Concentration, Wt%</b>	5-7%
<b>Ingredient Name</b>	Silica white
<b>Chemical Formula</b>	SiO <sub>2</sub>
<b>Concentration, Wt%</b>	3%
<b>Ingredient Name</b>	Methyl Hydrogen Polysiloxane
<b>Chemical Formula</b>	Mixture / preparation
<b>CAS No</b>	63148-57-2
<b>EINECS No</b>	(a)
<b>Concentration, Wt%</b>	1%
<b>Ingredient Name</b>	Grey Pigment
<b>Chemical Formula</b>	C <sub>34</sub> H <sub>38</sub> C <sub>12</sub> N <sub>4</sub> O <sub>4</sub>
<b>CAS No</b>	5468-75-7
<b>EINECS No</b>	226-489-3
<b>Concentration, Wt%</b>	0.05%

(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 fire extinguisher. When in a fire 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/m<sup>2</sup>

ACGIH TLV-TWA 10mg/m<sup>2</sup>

### 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 goggles or safety glasses with side shields.

### Skin Protection

No special equipment is needed.

### Environmental Exposure Controls

No special controls are needed.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

<b>Appearance</b>	Powder
<b>Colour</b>	Yellow
<b>pH</b>	Not determined
<b>Boiling Point F (C)</b>	Not applicable
<b>Flash Point</b>	None
<b>Flammability (solid/gas)</b>	Not Flammable
<b>Explosive Properties</b>	Not explosive
<b>Oxidising Properties</b>	Not an oxidizer
<b>Vapour Pressure</b>	Not applicable
<b>Relative Density</b>	Not applicable
<b>Solubility</b>	Slightly Water soluble, Not Fat soluble
<b>Partition Coefficient</b>	Octanol/Water Not determined
<b>Viscosity</b>	Not applicable
<b>Vapour Density (Air-1)</b>	Not applicable
<b>Evaporation Rate</b>	Not applicable
<b>Auto-Ignition Temperature</b>	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 Nee3 (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.

### 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.

## 12. 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.

## 13. TRANSPORT INFORMATION

<b>UN Number</b>	1044
<b>ADG Class</b>	2.2
<b>Packing Group</b>	Not applicable
<b>Proper Shipping Name</b>	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

## 14. REGULATORY INFORMATION

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.

## 15. OTHER INFORMATION

### Hazardous Material Identification System 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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**END SDS**