

# SDS SAFETY DATA SHEET

PRODUCT DESCRIPTION:	Fireout ABE Dry Powder Extinguisher
CODES:	E1DAFO, E15DAFO, E2DAFO, E25DAFO, E45DAFO, E9DAFO, EM50DA, EM100DA.
CATEGORY:	FIRE FIGHTING APPLIANCES – DRY POWDER AB:E
REVISION DATE:	02 JANUARY 2020

## SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Identifier:	Fireout ABE Dry Powder Chemical Fire Extinguisher
Other Means of Identification:	<p><b>Part Number</b>   <b>Fireout ABE Dry Chemical Fire Extinguishers</b></p> <p><b>E1DAFO</b>      1.0kg dry chemical ABE fire extinguisher</p> <p><b>E15DAFO</b>    1.5kg dry chemical ABE fire extinguisher</p> <p><b>E2DAFO</b>      2.0kg dry chemical ABE fire extinguisher</p> <p><b>E25DAFO</b>    2.5kg dry chemical ABE fire extinguisher</p> <p><b>E45DAFO</b>    4.5kg dry chemical ABE fire extinguisher (80BE Mines App)</p> <p><b>E9DAFO</b>      9.0kg dry chemical ABE fire extinguisher</p> <p><b>EM50DA</b>     50kg ABE Mobile DCP fire extinguisher (R50KGABE)</p> <p><b>EM100DA</b>    100kg ABE Mobile DCP fire extinguisher (R100KGABE)</p>
Recommended use of the chemical and restrictions on use:	Fire extinguishing agent.
<b>Supplier Name:</b> <b>Address:</b> <b>Telephone Number:</b> <b>Emergency Number:</b> <b>Website:</b> <b>Email:</b>	<p>Australia Wide Fire Supplies</p> <p>Unit 5/54 Pendlebury Road, Cardiff NSW 2285</p> <p>+61 2 4954 0333</p> <p>Emergency 000</p> <p>AWFS +61 2 4954 0333 (9am-5pm AET, Mon-Fri)</p> <p><a href="http://www.awfs.com.au">www.awfs.com.au</a></p> <p><a href="mailto:sales@awfs.com.au">sales@awfs.com.au</a></p>


**AUSTRALIA WIDE FIRE SUPPLIES** ABN 80393915621 UNIT 5/54 PENDLEBURY RD CARDIFF NSW 2285

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**SECTION 2 – HAZARDS INFORMATION****Classification of the hazardous chemical**

Classification according to the WHS Regulations Australia and the ADG Code
Classified as Dangerous – Gases Under Pressure – Compressed Gas

**Label Elements**

Hazard Pictograms:	
Pictogram Code:	GHS04 Gas Cylinder
Signal Word:	WARNING

**Hazard Statements**

H280 Contains gas under pressure; may explode when heated

**Precautionary Statements**

Prevention:	
Response:	
Storage:	P410 + P403 Protect from sunlight. Store in a well-ventilated place.

**SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical identity of ingredients:	Monobasic Ammonium Phosphate $\text{NH}_4\text{H}_2\text{PO}_4$
Proportion of ingredients:	90+/-3%
CAS No.:	7722-76-1
Chemical identity of ingredients:	Magnesium Aluminium Silicate (Attapulgate Clay or Fuller's Earth) $\text{Mg}_x\text{Al}_y(\text{SiO}_4)_z$
Proportion of ingredients:	6-8%
CAS No.:	8031-18-3
Chemical identity of ingredients:	Silica White $\text{SiO}_2$
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

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**SECTION 4 – FIRST AID MEASURES**

<b>Eye contact (symptoms, special &amp; medical treatment):</b>	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.
<b>Skin Contact (symptoms, special &amp; medical treatment):</b>	Mildly irritating following acute exposure. In case of contact with skin, rinse immediately with plenty of soapy water, removed exposed clothing (if required). If irritation persists seek medical attention.
<b>Inhalation (symptoms, special &amp; medical treatment):</b>	Transient cough, shortness of breath following acute exposure. Treat as a mineral dust irritant to the respiratory tract. In case on inhalation to the respiratory tract, immediately extricate from exposed area. If irritation persists seek medical attention. Chronic overexposure can lead the chronic fibrosis of the lung, pneumoconiosis.
<b>Ingestion (symptoms, special &amp; medical treatment):</b>	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.

**Indication of any immediate medical attention and special treatment**

Provide general supportive measures and treat symptomatically.

**SECTION 5 – FIRE FIGHTING MEASURES**

<b>Suitable extinguishing equipment:</b>	This preparation is an extinguishing media. Use extinguishing media suitable for surrounding area.
<b>Specific hazards arising from the chemical:</b>	Ammonia and / or phosphorus oxides can be evolved at very high temperatures.
<b>Special protective equipment and precautions for fire fighters:</b>	Wear breathing apparatus and protective gloves. Prevent, by any means available, spillage from entering drains or water courses.
<b>Hazchem Code:</b>	Not Applicable

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions, protective equipment and emergency procedures:</b>	Prevent skin and eye contact, as well as inhalation and ingestion. Wear appropriate PPE and clothing to minimize the risk of exposure.
<b>Environmental precautions:</b>	If contamination occurs in sewers or waterways, inform your local water authority in accordance with regulations of that jurisdiction.
<b>Methods and materials for containment and cleaning up:</b>	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.

## SECTION 7 – HANDLING AND STORAGE

### Precautions for Safe Handling

<b>Safe Handling:</b>	<ul style="list-style-type: none"> <li>• Limit all unnecessary personal contact</li> <li>• Wear protective clothing when risk of exposure occurs</li> <li>• Use in a well-ventilated area</li> <li>• Do not eat, drink or smoke when handling</li> <li>• Always wash hands with soap and water after handling</li> <li>• Avoid physical damage to containers</li> <li>• Use good occupational work practice</li> </ul>
<b>Other Information:</b>	<ul style="list-style-type: none"> <li>• Observe manufacturer's storage and handling recommendations contained within this MSDS</li> <li>• Store away from sources of heat or ignition / naked lights</li> <li>• Store in a cool, dry, well-ventilated area</li> <li>• Store in original container or fire extinguisher</li> <li>• Keep containers securely sealed when not in use</li> </ul>

### Conditions for Safe Storage, including any incompatibilities:

<b>Storage requirements:</b>	<ul style="list-style-type: none"> <li>• Observe manufacturer's storage and handling recommendations contained with this MSDS</li> <li>• Store away from sources of heat or ignition / naked lights</li> <li>• Store in a cool, dry, well-ventilated area</li> <li>• Store in original container or fire extinguisher</li> <li>• Keep containers securely sealed when not in use.</li> </ul>
<b>Unsuitable storage containers:</b>	Not known.

## SECTION 8 – EXPOSURE

### Occupational Exposure Limits

Occupational exposure limits according to the *Workplace Exposure Standards for Airborne Contaminants*, Safe Work Australia.

Chemical Name	CAS No.	TWA <sup>1</sup>	STEL <sup>2</sup>
Monobasic Ammonium Phosphate	7722-76-1	Not classified	
Magnesium Aluminium Silicate	8031-18-3	Not classified	
Fumed Silica (respirable dust)	7631-86-9	ppm: - mg/m <sup>3</sup> :2	ppm: - mg/m <sup>3</sup>
Methyl Hydrogen Polysiloxane	63148-57-2	Not classified	
Nitrogen	7727-37-9	Not classified	

Substance when calculated over an eight-hour working day, for five-day working week.

<sup>1</sup>TWA <sup>2</sup>STEL (Short Term Exposure Limit) – means the time-weighted average maximum airborne concentration of a substance calculated over a 15 minute period.

<b>Engineering controls:</b>	Use in a well-ventilated area
<b>Personal protective equipment:</b>	Eye protection – safety goggles. Skin protection – chemical resistant gloves. Respiratory & Ingestion protection – dust mask.

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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance (colour, physical form, shape):</b>	Light grey, solid, powder
<b>Odour:</b>	None
<b>Odour Threshold:</b>	Not applicable
<b>pH:</b>	Data not available.
<b>Vapour pressure:</b>	Not applicable.
<b>Vapour density:</b>	Not applicable.
<b>Boiling point/range:</b>	Not applicable.
<b>Freezing/melting point (specify which):</b>	Not applicable.
<b>Evaporation rate:</b>	Data not available.
<b>Flammability:</b>	Not applicable.
<b>Flammability or Explosive limits:</b>	Not applicable.
<b>Solubility (specify solvent, e.g. water):</b>	Slightly water soluble, not fat soluble.
<b>Relative density:</b>	Not applicable.
<b>Partition coefficient (n-octanol/water):</b>	Not applicable.
<b>Flash point and method detecting flash point:</b>	Not applicable.
<b>Ignition temperature:</b>	Not applicable.
<b>Decomposition temperature:</b>	Not applicable.
<b>Viscosity:</b>	Not applicable.

**SECTION 10 – STABILITY AND REACTIVITY**

<b>Reactivity:</b>	Refer to Section 7.
<b>Chemical stability:</b>	Stable when stored, handled and operated in accordance with this MSDS.
<b>Possibility of Hazardous reactions:</b>	See below.
<b>Conditions to Avoid:</b>	Refer to Section 7.
<b>Incompatible materials:</b>	Strong alkalis, magnesium, oxidizers that can release chlorine or produce Nce3 (explosive) per NFPA 10 Annex A-2-1.
<b>Hazardous decomposition products:</b>	Ammonia and/or phosphorous oxides can be evolved at very high temperatures.

**SECTION 11 – TOXICOLOGICAL INFORMATION****Information on Toxicological Effects**

This product has not been tested for toxicological effects.

<b>Acute toxicity:</b>	Data not available.
<b>Skin corrosion / irritation:</b>	Mildly irritating following acute exposure.
<b>Serious eye damage / irritation:</b>	Mildly irritating following acute exposure.
<b>Respiratory or skin sensitization:</b>	Transient cough, shortness of breath following acute exposure.
<b>Germ cell mutagenicity:</b>	Data not available.
<b>Carcinogenicity:</b>	Data not available.
<b>Reproductive toxicity:</b>	Data not available.
<b>Specific Target Organ Toxicity (STOT) – single exposure:</b>	Data not available.
<b>Specific Organ Target Toxicity (STOT) – repeated exposure:</b>	Data not available.
<b>Aspiration Hazard:</b>	Data not available.

**Information on Possible Routes of Exposure:**

<b>Eye contact:</b>	Mildly irritating following acute exposure.
<b>Skin contact:</b>	Mildly irritating following acute exposure.
<b>Inhalation:</b>	Transient cough, shortness of breath following acute exposure.
<b>Ingestion:</b>	Not an expected route of entry.

**Early Onset Symptoms Related to Exposure:**

Data not available.

**Delayed Health Effect from Exposure:**

Data not available.

**Exposure Levels and Health Effects:**

Data not available.

**Interactive Effects:**

Data not available.

**Mixture of Chemicals:**

Data not available.

**Other Information:**

No other information available.

## SECTION 12 – ECOLOGICAL INFORMATION

### Ecotoxicity:

Classification according to Registered Substances – Ecotoxilogical Information – Aquatic Toxicity, ECHA.

Substance	Endpoint	Test Duration (hr)	Species	Value
Monobasic Ammonium Phosphate	LC50	96	Fish	>85.9mg/L
	EC50	72	Algae or other aquatic plants	>97.1mg/L
	NOEC	72	Algae or other aquatic plants	3.57/L
Magnesium Aluminium Silicate	Not Classified.			
Fumed Silica (respirable dust)	Not Classified.			
Methyl Hydrogen Polysiloxane	Not Classified.			
Nitrogen	Not Classified.			

<b>Persistence and degradability:</b>	Data not available.
<b>Mobility in soil:</b>	Data not available.
<b>Bioaccumulative potential:</b>	Data not available.
<b>Other adverse effects:</b>	Data not available.

## SECTION 13 – DISPOSAL CONSIDERATIONS

<b>Disposal methods and containers:</b>	Dispose of in compliance with national, regional and local provisions that may be in force.
<b>Physical / Chemical Properties that may affect disposal options:</b>	Not known.
<b>Effects of Sewerage:</b>	Not known.
<b>Disposal: Special precautions for landfill or incineration:</b>	None.

**SECTION 14 – TRANSPORT INFORMATION**

<b>Labels Required:</b>	 2.2 Non Flammable, Non Toxic Gas
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**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.*

<b>UN Number:</b>	1044
<b>Proper Shipping Name:</b>	FIRE EXTINGUISHERS with compressed gas or liquefied gas.
<b>Transport Hazard Class:</b>	Class 2.2 Sub Risk Not Applicable.
<b>Packaging Group:</b>	Not applicable.
<b>Environmental hazards for Transport Purposes:</b>	Not applicable.
<b>Special precautions for user:</b>	Special Provisions: 225
<b>Hazchem Code:</b>	Not Applicable.

**Air Transport (ICAO, IATA - DGR):**

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

<b>UN Number:</b>	1044
<b>Proper Shipping Name:</b>	FIRE EXTINGUISHERS with compressed gas or liquefied gas.
<b>Transport Hazard Class:</b>	Class 2.2 Sub Risk Not Applicable.
<b>Packaging Group:</b>	Not applicable.
<b>Environmental Hazards for Transport Purposes:</b>	Not applicable.
<b>Special Precautions for user:</b>	Special Provisions: A19 Cargo Only Packing Instructions: 213 Passenger and Cargo Packing Instructions: 213
<b>Hazchem Code:</b>	Not Applicable.

**Sea Transport (IMO - IMDG):**

Classification as Dangerous Goods according to the *International Maritime Dangerous Goods Code (IMDG), International Maritime Organisation (IMO).*

<b>UN Number:</b>	1044
<b>Proper Shipping Name:</b>	FIRE EXTINGUISHERS with compressed gas or liquefied gas.
<b>Transport Hazard Class:</b>	Class 2.2 Sub Risk Not Applicable.
<b>Packaging Group:</b>	Not applicable.

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<b>Environmental Hazards for Transport Purposes:</b>	Not applicable.
<b>Special Precautions for user:</b>	EMS Number: F-C, S-V Special Provisions: 225
<b>Hazchem Code:</b>	Not Applicable.

## SECTION 15 – REGULATORY INFORMATION

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

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

## SECTION 16 – OTHER INFORMATION

<b>Revision, Date of preparation of this MSDS:</b>	Rev D, 02 January 2020
<b>Disclaimer</b>	The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Australia Wide Fire Supplies shall not be held liable for any damage or loss resulting from handling or from contact with the above product.

End SDS

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