



Firex Distribution (Australia) Pty Ltd

ABN 32 161 639 470

Firex - Head Office
Unit 3/11 Packard Avenue
CASTLE HILL NSW 2154

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Material Safety Data Sheet

Product Name: Firex ABE Dry Chemical Powder
Date Revised: 09 January 2015

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	Firex ABE Dry Chemical Powder
Other Names:	ABE Dry Chemical Powder Extinguisher
Recommended Use:	The intended or recommended use of this preparation is as a fire extinguishing agent.
Supplier Name:	Firex Distribution (Australia) Pty Ltd
Address:	Unit 3, 11 Packard Ave Castle Hill NSW 2154
Telephone Number:	+612 9680 8811
Emergency Number:	+612 9680 8811 or 000

SECTION 2 - HAZARDS IDENTIFICATION

Hazard Classification:	Class 2 Sub Class 2
Risk Phrase(s):	26, 36
Safety Phase(s):	22, 36/37/38

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Substance	
Chemical identity of the pure substance:	Not Applicable – This is a mixture / preparation
Common name(s), synonym(s):	Not Applicable – This is a mixture / preparation
CAS Number(s):	Not Applicable – This is a mixture / preparation
Mixture	
Chemical identity of ingredients:	Monoammonium Phosphate $\text{NH}_4\text{H}_2\text{PO}_4$
Proportion of ingredients:	90+/-3%
CAS Number(s) for ingredients:	7722-76-1
Chemical identity of ingredients:	Magnesium Aluminum Silicate (Attapulgate Clay or Fuller's Earth) $\text{Mg}_x\text{Al}_y(\text{SiO}_4)_z$
Proportion of ingredients:	6-8%
CAS Number(s) for ingredients:	8031-18-3



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Chemical identity of ingredients:	Silica white SiO ₂
Proportion of ingredients:	≤3%
CAS Number(s) for ingredients:	7631-86-9
Chemical identity of ingredients:	Methyl Hydrogen Polysiloxane (Mixture / preparation)
Proportion of ingredients:	≤1%
CAS Number(s) for ingredients:	63148-57-2
Chemical identity of ingredients:	Nitrogen UN1066
Proportion of ingredients:	Unknown (gas varies)
CAS Number(s) for ingredients:	7727-37-9

SECTION 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). If irritation persists seek medical attention.
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.
Aggravated medical conditions caused by exposure:	None known.

SECTION 5 - FIRE FIGHTING MEASURES

Suitable	This preparation is an extinguishing media.
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extinguishing media:	
Hazards from combustion products:	Ammonia and / or phosphorus oxides can be evolved at very high temperatures.
Special protective precautions and equipment for fire fighters:	None.
Hazchem Code:	Not Applicable.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency procedures:	Prevent skin and eye contact
Methods and materials for containment and clean up:	Sweep up / vacuum spill and place in closed container for disposal

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:	Care should be taken in handling all chemical substances and preparations.
Conditions for safe storage, including any incompatibilities:	Store in dry area in original container or fire extinguisher. Keep tightly sealed until used.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards:	Not Applicable. Neither this preparation nor the substances contained in it have been listed as carcinogenic by National Toxicology Program, I.A.R.C or OSHA.
Biological limit values:	Nuisance dust limit OSHA TWA: 15mg/m ² ACGIH TLV-TWA: 10mg/m ²
Engineering controls:	No Special controls are needed.
Personal protective equipment:	Eye protection - safety goggles. Skin protection - chemical resistance gloves. Respiratory & Ingestion protection - dust mask

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (colour, physical form, shape):	Yellow powder
Odour:	None.



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pH:	Not determined.
Vapour pressure:	Not Applicable.
Vapour density:	Not Applicable.
Boiling point/range:	Not Applicable.
Freezing/melting point (specify which):	Not Applicable.
Solubility (specify solvent, e.g. water):	Slightly Water Soluble, Not Fat soluble.
Specific gravity or density:	Not Applicable.
Flash point and method of detecting flash point:	Not Applicable.
Upper and lower flammable (explosive) limits in air:	Not flammable.
Ignition temperature:	Does not ignite.

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability:	Stable
Conditions to avoid:	None.
Incompatible materials:	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
Hazardous reactions:	See above.

SECTION 11 - TOXICOLOGICAL INFORMATION

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

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	Not determined.
Persistence and degradability:	Not determined.
Mobility:	Not determined.
Environmental fate	None.



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(exposure):	
Bioaccumulative potential:	Not determined.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal methods and containers:	Dispose of in compliance with national, regional and local provisions that may be in force.
Special precautions for landfill or incineration:	None.

SECTION 14 - TRANSPORT INFORMATION

UN Number:	1044
UN Proper Shipping Name:	Fire extinguishers containing compressed or liquefied gas
Class and subsidiary risk:	2.2
Packing Group:	Packing Group II
Special precautions for user:	None.
Hazchem Code:	Not hazardous.

SECTION 15 - REGULATORY INFORMATION

The regulatory status of a material (including its ingredients) under relevant Australian health, safety and environmental legislation:	Not available.
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SECTION 16 - OTHER INFORMATION

Date of preparation or last revision of the MSDS:	Rev C, 09 Jan 2015
Disclaimer	The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Firex Distribution (Australia) Pty Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.

End MSDS