

Material Safety Data Sheet: FlameSAFE ABE Dry Powder

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:

FlameSAFE ABE Dry Powder

Product Use:

The intended or recommended use of this preparation is as a fire extinguishing agent.

Supplier:

AMPAC Safety Pty Ltd
7 Ledger Road, Balcatta, WA 6021
Ph: +619 9200 2100
Emergency Ph: +61408022433

2. HAZARDS IDENTIFICATIONS

Hazard Classification:

Class 2 Sub Class 2

Risk Phrase(s):

26, 36

Safety Phase(s):

22, 36/37/38

3. COMPOSITION / INFORMATION ON INGREDIENTS

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

Chemical identity of ingredients:

Monoammonium Phosphate $\text{NH}_4\text{H}_2\text{PO}_4$

Proportion of ingredients:

90+/-3%



FlameSAFE ABE 9.0kg Dry Powder Fire Extinguisher

CAS Number(s) for ingredients:

7722-76-1

Chemical identity of ingredients:

Ammonium sulphate $(\text{NH}_4)_2\text{SO}_4$

Proportion of ingredients:

36+/-2%

CAS Number(s) for ingredients:

7783-20-2

Chemical identity of ingredients:

Magnesium Aluminum Silicate (Attapulgite Clay or Fuller's Earth)
 $\text{Mg}_x\text{Al}_y(\text{SiO}_4)_z$

Proportion of ingredients:

5-7%

CAS Number(s) for ingredients:

8031-18-3

Chemical identity of ingredients:

Silica white SiO_2

Proportion of ingredients:

≤3%

CAS Number(s) for ingredients:

7631-86-9

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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:

Grey Pigment C34H38C12N4O4

Proportion of ingredients:

≤0.05%

CAS Number(s) for ingredients:

5468-75-7

Chemical identity of ingredients:

Nitrogen UN1066

Proportion of ingredients:

Unknown (gas varies)

CAS Number(s) for ingredients:

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). 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.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

This preparation is an 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.

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

7. HANDLING AND STORAGE

Precautions for safe handling:

Care should be taken in handling all chemical substances and preparations.

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Conditions for safe storage, including any incompatibilities:

Store in dry area in original container or fire extinguisher. Keep tightly sealed until used.

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/m²

ACGIH TLV-TWA:

10mg/m²

Engineering controls:

No Special controls are needed.

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):

Yellow powder

Odour:

None.

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.

10. STABILITY / REACTIVITY

Chemical stability:

Stable

Conditions to avoid:

None.

Incompatible materials:

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

Hazardous reactions:

See above.

11. ECOLOGICAL INFORMATION

Eye contact:

Mildly irritating following acute exposure.

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Skin contact:

Mildly irritating following acute exposure.

Inhalation:

Transient cough, shortness of breath following acute exposure.

Ingestion:

Not an expected route of entry.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Not determined.

Persistence and degradability:

Not determined.

Mobility:

Not determined.

Environmental fate (exposure):

None.

Bioaccumulative potential:

Not determined.

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.

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.

15. REGULATORY INFORMATION

The regulatory status of a material (including its ingredients) under relevant Australian health, safety and environmental legislation:

Not available.

16. OTHER INFORMATION

Date of preparation or last revision of the MSDS:

17 June 2014

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