The attached Material Safety Data Sheet

relates to FireBox branded fire extinguishers

It was downloaded from

FireExtinguisherSales.com.au

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or phone 02 6550 1066

Safety Data Sheet

ABE 70% Dry Chemical Powder

Dated: 19 August 2016

1 PRODUCT IDENTIFICATION

1.1 Identification of the preparation

GHS Product Name: ABE 70% Dry Chemical Powder
Chemical Name: N/A-This is a mixture/preparation.
CAS No.: N/A-This is a mixture/preparation.
Chemical Formula: N/A-This is a mixture/preparation.
EINECS Number: N/A-This is a mixture/preparation.

1.2 Use of the preparation

The intended or recommended use of this preparation is as a FIRE EXTINGUISHING AGENT.

1.3 Company Identification: Firebox Australia Pty Ltd

Lot 5/19 Balook Drive, Beresfield NSW 2322

1.4 Emergency phone number: 02 4966 4465

1.5 Hazard Identification

GHS Classification of the substances / mixture: Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
Classification as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th Edition)

Signal Word (s): Warning

Hazard Statement (s): H280 Contains gas under pressure; may explode if heated.

Pictogram (s): Gas Cylinder

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

Precautionary Statement – Disposal: P501 Dispose of contents/container to an approved waste

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2 COMPOSITION/INFORMATION ON INGREDIENTS

2.1 Ingredient Name: Monoammonium Phosphate
Chemical Formula: NH4H2PO4
CAS No: 7722-76-1
EINECS Number: 231-764-5
Concentration, Wt %: 73±3 %
Hazard identification: See Heading 3

2.2 Ingredient Name: Ammonium sulfate
Chemical Formula: (NH4)2SO4
CAS No: 7783-20-2
EINECS Number: 231-984
Concentration, Wt % : 16±2 %
Hazard identification: See Heading 3

2.3 Ingredient Name: Magnesium Aluminium Silicate (Attapulgite Clay or Fuller's Earth)
Chemical Formula: MgxAly(SiO4)z
CAS No: 8031-18-3
EINECS Number: (b)
Concentration, Wt %: 5-7 %
Hazard identification: See Heading 3

2.4 Ingredient Name : Silica white
Chemical Formula: SiO2
CAS No:
EINECS Number:
Concentration, Wt % : ⩽ 3 %
Hazard identification: See Heading 3

2.5 Ingredient Name : Methyl Hydrogen Polysiloxane

Chemical Formula: Mixture/preparation
CAS No: 63148-57-2
EINECS Number: (a)
Concentration, Wt % : <1%
Hazard identification: See Heading 3

2.6 Ingredient Name : Grey Pigment
Chemical Formula: C34H30Cl2N6O4
CAS No.: 5468-75-7
EINECS Number: 226-489-3
Concentration, Wt % : <0.05 %
Hazard identification: See Heading 3

(a) EINICS does not include synthetic polymers (These are registered in EINICS under their building blocks, monomers). See: 67/548/EEC, article 13. 79/831/EC; and 81/437/EC.
(b) EINICS does not include most naturally occurring raw materials. See: 67/548/EEC, article 13; 79/831/EC; and81/437/EC.

3 HAZARDS IDENTIFICATION

3.1 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.

3.2 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 sulfate:
EU Classification: Irritant.
R Phrases: 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.

3.3 Limit Values for Exposure:
Nuisance dust limit:
OSHA TWA: 15 mg/m3
ACGIH TLV-TWA: 10 mg/m3

Neither this preparation nor the substances contained in it have been listed as careinogenic 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.

3.4 SIGNS AND SYMPTOMS:

Acute Exposure:

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.

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.

There are NO extinguishing media which must not be used for safety reasons.

NO special protective equipment is needed for fire-fighters. Wear protective equipment appropriate for the fire conditions.

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 an accidental release of this preparation.

7 HANDLING AND STORAGE

7.1 Handling

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

See incompatibility information in Heading 10.

7.2 Storage

NO special conditions are needed for safe storage.

See incompatibility Information in Heading 10.

Store in original container or fire extinguisher. Keep tightly closed until used.

There is minimal danger to the environment from a storage release.

7.3 Specific use

The intended or recommended use of this preparation is as a FIRE EXTINGUISHING AGENT.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

Nuisance dust limit:
OSHA TWA: 15mg/m3
ACGIH TLV-TWA: 10mg/m3

8.2 OCCUPATIONAL EXPOGURE CONTROLS

8.2.1 Respiratory protection

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

8.2.2 Hand protection

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

8.2.3 Eye protection

Use safety glasses with side shields or safety goggles.

8.2.4 Skin protection

No special equipment is needed.

8.3 Environmental exposure controls

No special controls are needed.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Appearance: Powder.
Colour: Yellow

9.2 Important health, safety, and environmental information

PH: Not determined.

Boiling point/boiling range: Not applicable.

Flash point: None.

Flammability (solid/gas): Not flammable.

Explosive properties: Not explosive.

Oxidizing properties: Not an oxidizer

Vapor Pressure: Not applicable.

Relative Density: Not applicable.

Solubility:

—Water solubility: Slight.

—Fat solubility: Not soluble.
Partition coefficient, -octanol/water: Not determined.
Viscosity: Not applicable.
Vapor density (Air = 1): Not applicable.
Evaporation rate: Not applicable.

9.3 Other information
Auto-ignition temperature: Does not ignite.

10 STABILITY AND REACTIVITY

10.1 Conditions to avoid
There are NO known conditions such as temperature, pressure, light, shock, etc., which may cause a dangerous reaction.

10.2 Materials to avoid
Strong alkalis, magnesium, oxidizers that can release chlorine or produce Nce3 (explosive) per NFPA 10 Annex A-2-1.

10.3 Hazardous decomposition products
Normally stable.
Hazardous polymerization will NOT occur.
Ammonia and/or phosphorous oxides can be evolved at very high temperatures.

11 TOXICOLOGICAL 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 Data: Oral (rat) LD50 2840 mg/kg.
Target Organs: Lungs and gestrointestinal.

12 ECOLOGICAL INFORMATION

12.1 Ecotoxicity
Not determined.

12.2 Mobility
Not determined.

12.3 Persistance and degradability
Not determined.

12.4 Bioaccumulative potential
Not determined.

12.5 Other adverse effects
Ozone depletion potential: None.

Photochemical ozone creation potential: None.
Global warning 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: UN1044
Proper shipping name: Fire extinguishers with compressed or liquefied gas
Hazard Class or Division: Not a hazardous substance.
Road and Rail Transport (ADG Code):
This material is classified as Dangerous Goods Division 2.2 – Non-flammable non-toxic Gases according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7^{th} Edition)
Division 2.2 Dangerous Goods are incompatible in a placard load with any of the following:

- Class 1, Explosives

Division 2.1 Flammable Gases when the Division 2.2 gas has a subsidiary risk 5.1 except when all are packed in cylinders or pressure drums not exceeding 500L capacity.

- Division 4.2, Spontaneously Combustible Substances
- Division 5.2, Organic Peroxides

Marine Transport (IMO/IMDG):
Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) fore transport by sea.
Division: 2.2
EMS- F-C, S-V
UN-No: 1044
Special Provisions: 225
Proper shipping Name: Fire extinguishers with compressed or liquefied gas

Air Transport (ICAO/IATA):
Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
Packing Instructions (cargo only): 213
Packing Instructions (passenger & cargo): Forbidden
Special Provision: A19
UN-No: 1044
Proper shipping Name: Fire extinguishers with compressed or liquefied gas

IMDG Marine pollutant: No

For additional transport information, contact Ansul Incorporated.
No harm to the environment is expected from this preparation.

15 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.
Limit values for Exposure:
Nuisance dust limit:
OSHA TWA: 15 mg/m3.
ACGIH TLV-TWA: 10 mg/m3.
AICS (Australia) All ingredients are listed in the Australian Inventory of Chemical Substances (AICS).

16 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. FIREBOX AUSTRALIA PTY LTD SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.

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