

Safety Data Sheet

Fire Extinguishers

Fire Sentry



2/11/2017

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product Identifier

1.1.1 Product name: Fire Sentry 1.0kg Fire Extinguisher – ABC POWDER
Fire Sentry 1.5kg Fire Extinguisher – ABC POWDER
Fire Sentry 2.5kg Fire Extinguisher – ABC POWDER
Fire Sentry 4.5kg Fire Extinguisher – ABC POWDER
Fire Sentry 9.0kg Fire Extinguisher – ABC POWDER

1.1.2 Other means of identification: FS1021, FS1531, FS2544, FS4566, FS90108

1.2 Recommended use of the chemical and restrictions on use

1.2.1 Recommended use: ABE Rated Fire Extinguisher.

1.2.2 Uses advised against: Not available

1.2.3 Classification: *Not classified as dangerous goods*

1.3 Details of manufacturer or importer

Supplier: Master Distributors Pty Ltd

ACN: 080 754 230

Street Address: 31 Dunlop Road Mulgrave VIC 3170 Australia

Telephone: +613 9538-9200

Facsimile: +613 9538-9299

Emergency telephone number: +61 3 9538 9200 (8.30am – 5.30pm EST, Monday - Friday)

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of mixture

2.1.1 Classification:

The mixture is classified according to 1999/45/EC and REGULATION (EC) No 1272/2008

REGULATION (EC) No 1272/2008

Hazards Classes/Hazard Categories	N/A
Hazard Statement	N/A

For a full test of H-phrases see: *Section 2.2*

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2.1.2 The most important adverse effects

2.1.2.1 The most important physicochemical effects: Not applicable

2.1.2.2 The most important adverse human health effects: Not applicable

2.1.2.3 The most important adverse environmental effect: Not applicable

2.2 Label elements:

Hazard Pictograms: No hazard pictogram is used
Signal Word(s): No signal word is used
Hazard Statement: Not applicable
Precautionary Statement: Not applicable

2.3 Other Hazards:

Not available

3. COMPOSITION /INFORMATION ON INGREDIENTS

3.1 Substance/Mixture: Mixture

CHEMICAL Name	CAS NO.	PROPORTION % W/W
Monoammonium phosphate	7722-76-1	21.5 ± 1.5%
Ammonium sulfate	7783-20-2	10 – 40%
Sodium Chloride	7647-14-5	10 – 40%
Mica	12001-26-2	<1-4%
Talc ($Mg_3H_2(SiO_3)_4$)	14807-96-6	<3%
Silicon Dioxide	7631-86-9	<3%
Hexamethyldisiloxane	107-46-0	<1%

4. FIRST AID MEASURES

4.1 Description of First Aid Measures: In all cases of doubt, or when symptoms persist seek medical attention.

4.1.1 In cases of inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

4.1.2 In case of skin contact: In case of contact, immediately wash skin with soap and copious amounts of water.

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4.1.3 **In case of contact with eyes:** Irrigate with water for a minimum of 15 minutes. There might be a slight irritation which fades soon.

4.1.4 **In case of ingestion:** If patient is conscious, give large amounts of water and induce vomiting. Seek medical help.

4.2 **Most important symptoms and effects, both acute and delayed:**
The product is not classified as harmful to human health.

4.3 **Indication of any immediate medical attention and special treatment needed:**
If skin or eye rash occurs, get medical advice/attention.

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

5.1.1 **Suitable Extinguishing Media:** This preparation in an extinguishing media.

5.1.2 **Unsuitable Extinguishing Media:** There are no extinguishing media which must not be used for safety reasons.

5.2 **Specific hazards arising from the substance or mixture:** Ammonia and/or phosphorous oxides can be produced at very high temperatures.

5.3 **Advice for fire fighters:** Wear self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Protective clothing to prevent contact with skin should be worn.

If safe to do so, remove from path of fire. Keep containers cool. The material is a fire extinguishing agent and will not burn, however, if other materials are involved, use standard chemical fire fighting procedures and consider the hazard of those materials. In enclosed areas, fire fighters must wear self-contained breathing apparatus and full protective equipment.

5.4 **Hazchem Code:** NA

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6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel: Prevent skin and eye contact. Evacuate personnel to safe areas. Refer to section 8 of SDS for personal protection details. Ventilate area of leak or spill.

6.1.2 For emergency responders: Wear appropriate NIOSH/MSHA approved respirator if dust is generated. Personal protection equipment as specified in section 8.

6.2 Environmental Precautions: Do not allow material to be released into the environment without proper government permits. Avoid disposing into drainage/sewer system or directly into the aquatic environment. Keeping away from drains, surface and ground water and soil.

6.3 Methods for Containment and Cleaning up:

Sweep up and recover for use or place in closed container for disposal. Clean up spill immediately, observing precautions in the Protective Equipment section. Sweep up of absorb material, then place into a suitable clean, dry closed container for disposal. Avoid generating dusty conditions.

6.4 Reference to other sections:

See section 7 for information on safe handling
See section 8 for information on personal protection equipment
See section 13 for information on disposal

6.5 Additional information:

Hold for waste disposal
Ventilate area and wash spill site after material pickup is complete

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

7.1.1 Protective measures:

Care should be taken in handling all chemical substances and preparations. Wear appropriate protective clothing and safety gloves. Avoid contact with eyes and skin. Avoid inhalation. Mechanical exhaust required.

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7.1.2 Advice on general occupational hygiene:

Do not eat drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

No special conditions are needed for safe storage. Store original container or fire extinguisher. in a cool dry place. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from alkaline materials. Keep containers tightly closed. Store away from incompatible materials described in Section 10. Store away from sources of extreme heat. Service in accordance with AS1851.1. This product is classified as a Dangerous Good Class 2.2 Non Flammable Gas as per the criteria of the Australian Dangerous Goods Code and must be stored in accordance with the relevant regulations.

7.3 Specific end use(s):

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

8.1.1 Occupational exposure limits:

Talc($Mg_3H_2(SiO_3)_4$)(CAS#14807-96-6): Limit value: 2 mg/m₃(Belgium)

Mica(CAS# 12001-26-2): Limit value: 3mg/m₃(Belgium)

Silicon dioxide (Silica, white powder)(CAS# 7631-86-9):Workplace Exposure Limit: 4 E mg/m₃(Germany TRGS 900)

8.1.2 Additional exposure limits under the conditions of use: Not available

8.1.3 DNEL/DMEL and PNEC-Values: Not available

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Use adequate ventilation to keep airborne concentrations low.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/Face protection	Use safety goggles with side shields or safety goggles
Hand Protection	None normally needed. Use chemical resistant gloves when handling the preparation
Body Protection	No special equipment is needed. Wear appropriate protective clothing to prevent skin exposure
Respiratory protection	Use a dust mask where dustiness is prevalent or threshold limit value (TLV) is exceeded. Government approved respirator should be used.

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Thermal hazards	Wear suitable protective clothing to prevent heat. A respiratory protection program that meets OSHA's 29 CFR 1910.134 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirators use.
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8.2.3 Environmental exposure controls

Avoid discharge into the environment. According to local, Federal and official regulations.

8.2.4 National occupational exposure limits:

No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC Australia).

As published by the National Occupational Health & Safety Commission (NOHSC Australia).

8.2.5 Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances [NOHSC: 1005 (1994)]" the ingredients in this material do not have a Biological Limit Allocated.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Powder
Colour	White
Odour	Odourless
Odour threshold	Not available
pH	4.5
Melting point range (°C)	>197°C (CAS#7722-76-1)
Boiling point range (°C)	Not available
Flash Point (°C)	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Flammable
Ignition Temperature (°C)	Not determined
Vapour Pressure (20°C)	<0.00147 Pa(CAS# 7722-76-1)
Vapour Density	Not applicable
Relative Density	~1.9
Density(kg/m ³)	>0.8g/ml
Water solubility (g/l) at 20°C	Soluble
n-Octanol/Water (log/Po/w)	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	>197°C(CAS#7722-76-1)
Viscosity, dynamic (mPa s)	Not determined
Explosive properties	Not determined
Oxidising properties	Not applicable

9.2 Other information

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Fat Solubility (solvent-oil to be specified) etc:	Not available.
Surface Tension	Not available
Dissociation constant in water (pKa)	9.25(25°C) (CAS#7722-76-1)
Oxidisation-reduction potential	Not available

10. STABILITY AND REACTIVITY

- 10.1 **Reactivity:** The mixture is stable under normal storage and handling conditions.
- 10.2 **Chemical stability:** Stable at room temperature in closed containers under normal storage and handling conditions.
- 10.3 **Possibility of hazardous reactions:** Under normal conditions, no hazardous reactions known.
- 10.4 **Conditions to avoid:** Incompatible materials. Moist storage conditions may lead to the formation of lumps and affect product quality.
- 10.5 **Incompatible Materials:** Strong alkalis, magnesium, oxidizers. caustic material.
- 10.6 **Hazardous decomposition products:** Ammonia and/or phosphorus oxides can be produced at very high temperatures,

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

11.1 Toxicokinetics, metabolism and distribution

Non-human toxicological data:	Not available
Method	Not available
Dosis	Not available
Routes of administration	Not available
Results	Not available
Absorption	Not available
Distribution	Not available
Metabolism	Not available
Excretion	Not available

11.2 Information on toxicological effects

Acute toxicity:

MAP (CAS#7722-76-1)

LD50(Oral, Rat): >2000 mg/kg bw

LD50(Dermal, Rat): >5000 mg/kg bw

LD50(Inhalation, Rat): >5 mg/L air 4h

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Skin corrosion/Irritation: Not classified
Serious eye damage/irritation: Not classified
Respiratory or skin sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
STOT- single exposure: Not classified
STOT- repeated exposure: Not classified
Aspiration hazard: Not classified
Mobility in Soil: The product is soluble in water. No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

11.3 Acute Effects

Inhalation: Inhalation of dust may cause respiratory discomfort, transient cough, shortness of breath, irritation of airways.

Skin contact: Repeated or prolonged skin contact may be mildly irritating.

Eye contact: Mildly irritating.

Ingestion: Swallowing may result in nausea, or vomiting.

Long Term Effects: No information available for product.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	> 85.9 mg/L	96h	Fish	OECD 203	N/A	N/A
LC50	1790 mg/L	72h	Daphnia	OECD 202	N/A	N/A
EC50	> 97.1 mg/L	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability: No data available
Bioaccumulative potential: Not available
Mobility in soil: The product is soluble in water.
Results of PBT & PvB assessment: Not applicable
Other adverse effects: Not applicable

Avoid contaminating waterways.

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13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

The material should be disposed of by incineration in a chemical in compliance with local, State and Federal regulations.

13.2 Product/packing disposal

If empty container retains product residues, all label precautions must be observed. Return for reuse or dispose in compliance with local, State and Federal regulations.

Refer to State/Territory Land Waste Management Authority.

14. TRANSPORT INFORMATION

14.1 ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

14.1.1 **UN No:** 1044

14.1.2 **Dangerous Goods Class:** 2.2 NON-FLAMMABLE NON-TOXIC GAS

14.1.3 **Shipping Name:** FIRE EXTINGUISHER

14.1.4 **Segregation Dangerous Goods:** Not to be loaded with explosives (Class 1), flammable liquids (Class 3), if both are in bulk, flammable solids (Class 4.1), spontaneously combustible substances (Class 4.2), dangerous when wet substances (Class 4.3), oxidising agents (Class 5.1), organic peroxides (Class 5.2) or radioactive substances (Class 7), exemptions may apply.

14.2 MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

14.2.1 **UN No:** 1044

14.2.2 **Dangerous Goods Class:** 2.2 NON-FLAMMABLE NON-TOXIC GAS

14.2.3 **Shipping Name:** FIRE EXTINGUISHER

14.3 AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA)

Dangerous Goods Regulations for transport by air.

14.3.1 **UN No:** 1044

14.3.2 **Dangerous Goods Class:** 2.2 NON-FLAMMABLE NON-TOXIC GAS

14.3.3 **Shipping Name:** FIRE EXTINGUISHER

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15. REGULATORY INFORMATION

15.1 Poisons Schedule (Aust): NO

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

16.1 Literary reference

This Safety Data Sheet has been prepared by Master Distributors Pty Ltd.

Reason(s) For Issue: First Issue

Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This SDS summarises at the date of issue to our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Master Distributors Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for the product as sold, is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.