

MATERIAL SAFETY DATA SHEET

PRODUCT: ABC Powder refill for powder fire extinguishers (119-1012, 119-1014, 119-1015, 119-1010)

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

- 1.1 IDENTIFICATION OF THE PREPARATION: ABC Powder refill for extinguishers
- 1.2 PRODUCT USE: Fire Fighting dry agent
- 1.3 COMPANY IDENTIFICATION: Firechief Global
3 Lands End Way, Oakham, Rutland
LE15 6RB
- 1.4 EMERGENCY TELEPHONE: +44 (0)330 999 0019
- 1.5 OFFICE HOURS: 08:00 - 17:00

2. HAZARDS IDENTIFICATION

- Health:** By normal use this product is not regarded as hazardous to health. Can cause slight irritation to the eyes and respiratory tract, should be considered as dust.
- Fire & Explosion:** Not classified as flammable
- Environment:** Not classified as harmful to the environment

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition and ingredient information

| Chemical name | CAS No | Content, % |
|-------------------------|------------|------------|
| Mono ammonium phosphate | 7722-76-1 | 20~90 |
| Ammonium sulphate | 7783-20-2 | 8~78 |
| Attapulgite Clay | 8031-18-3 | <1.0 |
| Mica | 12001-26-2 | <1.0 |
| Methyl H Polysiloxane | 63148-57-2 | <1.0 |
| Polydimethyl Siloxane | 8050-81-5 | <1.0 |
| Pigment | | <1.0 |

4. FIRST AID MEASURES

- Eyes:** **P305, P351, P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Skin:** **P302, P352** IF ON SKIN: Wash with plenty of water.
- Inhalation:** **P304, P340** IF INHALED: Remove to fresh air. Get medical advice if in doubt.
- Ingestion:** **P301, P330** IF SWALLOWED: Rinse mouth with water and give plenty of water to drink. Get medical advice.

5. FIRE-FIGHTING MEASURES

- 5.1 Extinguishing media: The product is a fire extinguishant
- Advice to Firefighters: Use suitable breathing apparatus

6. ACCIDENTIAL RELEASE MEASURES

| | | |
|-----|---|---|
| 6.1 | Personal precautions: | P280 Wear protective gloves and suitable face protect for eyes and an appropriate dust mask. |
| | Environmental precautions: | P273 Avoid release to the environment. Do not dispose of through drains. |
| | Cleaning methods: Refer to section 13 | Sweep up or use a vacuum cleaner. |

7. HANDLING AND STORAGE

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|-----|------------------|--|
| 7.1 | Handling: | P262 Do not get in eyes, on skin or on clothes. |
| 7.2 | Storage: | P232 P234 Protect from moisture, in a dry cool environment with the absence of vibration, avoid production of dust, when powder passes through plastic pipes electrostatic discharge can occur. Keep in original container. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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|---|--|
| Occupational exposure controls | Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment |
| Respiratory protection | In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2). |
| Hand protection | Use gloves from resistant material, eg.: Nitrile. Penetration time is not relevant, since the product is solid. |
| Eye protection | Wear dust resistant safety goggles where there is danger of eye contact |
| Skin protection (other than of the hands) | No special precautions. |
| Other Information | The listed protective equipment is a suggestion. A risk assessment (of actual risk) may lead to other requirements. Eye wash facilities should be available when handling this product. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|----------------------|---------------------------------------|
| Form: | powder |
| Odour: | none |
| Colour: | Cream |
| Melting point: | > 100 °C |
| Flame point: | N/A |
| Solubility in Water: | > 90% after several hours pH 50% sol. |
| pH 50% sol: | 5 |

10. STABILITY AND REACTIVITY

| | |
|-----------------------------------|---------------------------|
| Conditions to avoid: | Humidity |
| Substances to avoid: | Strongly caustic material |
| Hazardous decomposition Products: | Ammonia (>100°C) |

11. TOXICOLOGICAL INFORMATION

Other Information regarding health hazards

| | |
|--------------|--|
| Inhalation | Inhalation of dust may cause irritation to the respiratory system and give symptoms of bronchitis. |
| Skin contact | Moderately irritating. |
| Eye contact | Moderately irritating. Dust may irritate eyes mechanically. |
| Ingestion | Ingestion of significant amounts may cause nausea and vomiting. |

12. ECOLOGICAL INFORMATION

Other ecological information

Ecotoxicity Not regarded as dangerous for the environment.
Other adverse effects / Remarks Ammonium dihydrogenorthophosphate has a fertilizing effect on the soil.

13. DISPOSAL CONSIDERATIONS

Recovery: By brushing and aspiration.
Neutralisation: Not necessary.
Disposal: Normally as fertilizer through an approved specialized company according to local and current authority regulations. European disposal No. 160 502
Contaminated packaging: N/A
To avoid: See point 8.

The European, National, Federal, regional or community rules are to be followed.

14. TRANSPORT INFORMATION

Not considered dangerous goods under UN, IMO, ADR/RID or IATA/ICAO regulations

15. REGULATORY INFORMATION

The material is not subject to classification according to EC lists and other sources of literature known to us. Observe the normal Safety Regulations when handling chemicals.
The material is not subject to identification regulations under EC directives and the Ordinance on Hazardous Materials.

16. OTHER INFORMATION

ABC dry chemical powder is a fire extinguishing agent, there is no other intended use. The manufacturer cannot be considered as responsibly in case of incorrect utilisation.
This data is based on our present knowledge. However, it shall not constitute a guarantee for any specific product featured and shall not establish a legally valid contractual relationship.