

ABC (40%) POWDER AS USED IN FIRECHIEF XTR EXTINGUISHERS

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Section 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: ABC Dry Chemical Powder

1.2 Product use: Fire Fighting Agent.

1.3 Details of the supplier of the safety data sheet

Company name: Firechief Global
3 Lands End Way
OAKHAM Rutland
LE15 6RB

Emails address: sales@firechiefglobal.com

1.4 Emergency telephone number

Emergency tel: +44 (0)330 999 0019 (office hours 08:00 - 17:00)

Section 2. Hazards identification

Health: By normal use this product is not regarded as hazardous to health

Fire & Explosion: Not classified as flammable

Environment: Not classified as harmful to the environment

Section 3. Composition/information on ingredients

Chemical Name	Registration No.	Index number.	CAS No.	EC No.	Concentration
Mono ammonium phosphate	01-2119488166-29-****	N/A	7722-76-1	231-764-5	42.0±2.0%
Ammonium sulphate	01-2119455044-46-****	N/A	7783-20-2	231-984-1	46.0±2.0%
Mica	N/A	N/A	12001-26-2	-	<5.0%
Methyl H polysiloxane	N/A	N/A	63148-57-2	-	<1.0%

Section 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 if person is conscious. Get medical advice.

Section 5. Fire Fighting Measures

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

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Section 6. Accidental release measures

- 6.1 Personal precautions:** **P280** Wear protective gloves and face protection.
Environmental precautions: **P273** Avoid release to the environment. Do not dispose of through drains. Ventilate area of leak or spill.
Cleaning methods: Sweep up or use a vacuum cleaner.
 Refer to section 13

Section 7. Handling and storage

- 7.1 Handling:** **P262** Do not get in eyes, on skin or on clothes.
7.2 Storage: **P232 P234** Protect from moisture. Keep in original container. Store in a cool, dry, well-ventilated area away from incompatible substances: strongly caustic materials alkaline materials and oxidizing agents. Keep containers tightly closed.

Section 8. Exposure controls/personal protection

- 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. Do not eat, drink or smoke following contact. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

Section 9. Physical and chemical properties

- Appearance:** Powder
Colour: Yellow or blue
Odour: Odorless
Odour threshold: Not available
pH: 4.0-4.5(1.0% soln.)
Melting point/range (°C): >100°C
Boiling point/range (°C): Not available
Flash point (°C): Not available
Evaporation rate: Not applicable
Flammability (solid, gas); Flammable
Ignition temperature (°C): Not determined
Upper/lower flammability/explosive limits: Not determined
Vapour pressure (20°C): Not determined
Vapour density: Not applicable
Relative Density (25°C): ~1.9
Bulk density (kg/m³): Not determined
Water solubility (g/l) at 20°C: >90% after several hours
n-Octanol/Water (log Po/w): Not determined
Auto-ignition temperature: Not determined
Decomposition temperature: Not available



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Viscosity, dynamic (mPa s): Not determined
Explosive properties: Not determined
Oxidising properties: Not applicable

Section 10. Stability and reactivity

Conditions to avoid: Humidity
Substances to avoid: Strongly caustic material, alkaline material and oxidizing agents.
Hazardous decomposition products: Ammonia (>100°C) (In case of use of the material on fire releases gas: NH3)

Section 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.

Section 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.

Section 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: All listed precautions should be observed
To avoid: See point 7 and 8.

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

Section 14. Transport information

If shipped as an extinguisher: UN number: 1044
Shipping name: Fire Extinguisher
Hazard Class: 2.2
Handling Information: 6A Classification Code Additional
International transport information: A pressurised Fire Extinguisher should not be sent by air.
Exempt from ADR Road Transport SP594
No Immediate Hazard to Health or Fire Risk
No Special Precautions in Event of an accident
No Special First Aid measures
Use any available means to control Fire

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Section 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.

Section 16. Other information

ABC Dry Chemical Powder is a fire extinguishing agent. There is no other intended purpose / application.

DISCLAIMER

Whilst proper care has been taken in the preparation of this document, no liability for injury or damage resulting from its use or misuse can be accepted. Details given in this document are believed to be correct at the time of writing.