

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product identifiers

**Product Name:** ABC extinguisher

#### Relevant identified uses of the substance or mixture and uses advised against

**Identified uses:** Fire extinguisher

#### Details of the supplier of the safety data sheet

**Company Name:** CheckFire Ltd

**Address:** Pontygwindy Ind Est, Caerphilly CF83 3HU

**Tel:** 029 2086 8333

**Fax:** 029 2085 0627

**Email:** info@checkfire.co.uk

**Emergency Telephone:** 029 2086 8333

### 2. HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:

Eye Irritation: Class 2B

Skin Irritation: Class 3

Inhalation: Class 5

#### Label Elements:

Hazard Symbols:



Signal Word: WARNING

#### Hazard Statements:

H313 May be harmful in contact with skin.

H320 Causes eye irritation

H333 May be harmful if inhaled.

#### Precautionary Statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P234 Keep in original container.

P251 Pressurized container; do not pierce or burn, even after use

P261 Avoid breathing dust

- P264 Wash hands and face thoroughly after handling
- P270 Do not eat, drink, or smoke when using this product
- P281 Use personal protective equipment as required
- P285 In case of inadequate ventilation, wear respiratory protection
- P301+322+331 If swallowed, drink 2-3 glasses of water and do not induce vomiting
- 302+352 If on skin, wash with soap and water
- 304+313+341 If inhaled, and if distress occurs, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical advice/attention.
- 305+351+338 If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do, and continue to rinse.
- 337+313 If eye irritation persists, get medical advice/attention.
- P401+402+403 Store in original container or extinguisher in a dry, well ventilated place.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance/Preparation:** Preparation

Ingredients Name		Content/%	CAS No.	EINECS No.	Classification (67/548/EEC)	Classification (1272/2008/EC)
Barrel material(Carbon Steel coated with epoxy resin)		-	-	-	-	-
Dry Chemical	Ammonium dihydrogen phosphate	>95	7722-76-1	231-764-5	R22,R36/37/38	-
	Ammonium sulfate		7783-20-2	231-984-1	R36/37/38	-
	Other none hazards materials	balance	NA	NA	-	-

**Note:**

- 1: Fire extinguishers contain compressed air to ensure a high velocity discharge of product.
- 2: This MSDS is prepared mainly according to the dry chemical inside the extinguisher.
- 3: Full text of risk phrases & H-Statements appearing in section 3: see section 16.
- 4: This MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of the product.

**4. FIRST AID MEASURES**

**Eye Exposure**

Flush eyes with water until pain-free. If irritation develops or persists, seek medical attention.

#### **Skin Exposure**

Wash with plenty of soap and water. If irritation develops or persists, seek medical attention.

#### **Inhalation**

Move victim to fresh air. If irritation develops or persists, seek medical attention.

#### **Ingestion**

If victim is conscious and alert, give 2-3 glasses of water to drink. Do not induce vomiting. If vomiting occurs and the victim is conscious, give additional water to further dilute the chemical. Prevent aspiration of swallowed product by laying victim on side with head lower than their waist. Seek medical attention. Do not leave victim unattended.

#### **Medical Conditions Possibly Aggravated by Exposure**

Inhalation of the product may aggravate existing chronic respiratory conditions such as asthma, emphysema, or bronchitis. Contact with the skin may aggravate an existing skin disease. Chronic overexposure may cause pneumoconiosis ("Dusty Lung" disease).

### **5. FIRE FIGHTING MEASURES**

**Extinguishing Media:** N/A. This product is an extinguishing agent. It is nonflammable and noncombustible.

**Special Firefighting Procedures:** N/A

**Unusual Fire and Explosion Hazards:** This product may decompose in fire and release oxides of carbon, potassium, and nitrogen (Refer to Section 10).

**Sensitivity to Mechanical Impact or Static Discharge:** None

### **6. ACCIDENTAL RELEASE MEASURES**

In case of accidental release, use the appropriate respiratory protection. Clean up the product using a vacuum or wet sweep and shovel to minimize the generation of dust. Bag or drum the product for disposal. If the product is used and/or contaminated, use personal protective equipment and containment means that are appropriate for the composition of the mixture. Product should be prevented from entering waterways.

### **7. HANDLING AND STORAGE**

Avoid eye, respiratory, and skin exposure. Use the appropriate personal protective equipment when handling. Wash thoroughly after handling (Refer to Section 8). Product should be stored in its original container or extinguisher. When the product is contained under pressure (e.g., an extinguisher), inspect the container for rust or damage that may compromise the container integrity. Do not store the product in high humidity and do not mix with other extinguishing agents, particularly potassium bicarbonate based agents.

### **8. EXPOSURE CONTROLS, PERSONAL PROTECTION**

### Exposure limit values

#### Nuisance dust limit:

OSHA TWA: 15 mg/m<sup>3</sup>

ACGIH TLV-TWA: 10 mg/ m<sup>3</sup>

During the use of this product on fires, exhaust gases and products of incomplete combustion are the main respiratory hazards. In the manufacture of this product, employers and employees must use their collective judgment in determining the on-the-job settings where the use of a dust mask or respirator is prudent. The need for respiratory protection is not likely for short-term use in well-ventilated areas.

**Respiratory Protection:** Use an N-95 dust mask for limited exposures and use air-purifying respirators with high efficiency particulate air filters (HEPA filters) for prolonged exposures.

**Eye Protection:** Wear chemical goggles or full-face air-purifying respirator.

**Skin Protection:** Use nitrile, latex, or similar gloves and coveralls. Good personal hygiene practices are essential. After handling the product, avoid food, tobacco products, or other means of transferring the product from hand to mouth until after thoroughly washing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Yellow solid powder.

**Odor:** None

**PH:** 4.5 as 1% solution in water.

**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: 38 g/100 ml

**Partition coefficient:** n-octanol/water: Not determined

**Viscosity:** Not applicable

**Vapor density (air=1):** Not applicable

**Evaporation rate:** Not applicable

**Auto-ignition temperature:** Does not ignite

## 10. STABILITY AND REACTIVITY

**Stability:** Stable

**Incompatibles:** Magnesium, strong oxidizers such as calcium hypochlorite (pool chlorine), strong alkalis, and isocyanuric

acids.

**Decomposition Products:** This product may decompose in fire and release carbon monoxide, carbon dioxide, and sulfur dioxide. Oxides of phosphorous and ammonia have been reported.

**Hazardous Polymerization:** Will not occur

**Hazardous Reactions:** None

### 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Monoammonium phosphate LD<sub>50</sub> (rat) : > 1000mg/kg body weight.

Target organs in humans: respiratory system, eyes, and skin. This product is an irritant to epithelial tissue and may aggravate dermatitis. No indication that the product causes sensitization.

**Chronic Toxicity:** Pneumoconiosis, or “Dusty Lung” disease, may result from chronic exposure to any dust.

**Reproductive Toxicity:** This product is not known to have any reproductive effects.

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Negative effects are unknown. Provides nutrient nitrogen and phosphorous to plant life.

**Degradability:** Degrades rapidly in wet or humid environment.

**Bioaccumulation:** Unknown extent.

**Mobility in Soil:** Water-soluble. May leech in to groundwater.

### 13. DISPOSAL CONSIDERATIONS

This product is not a RCRA characteristically hazardous or listed hazardous waste. Dispose of according to state or local laws, which may be more restrictive than federal regulations. Be aware that product used on a fire may be altered or contaminated and thereby require different disposal considerations.

### 14. TRANSPORT INFORMATION

**Hazard Class or Division:**

Fire Extinguisher

**Class:** 2.2

**UN No.** 1044

### 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

#### **US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS**

U.S. Federal Regulatory Information:

None of the chemicals in this product are under SARA reporting requirements or have SARA Threshold Planning Quantities or CERCLA Reportable Quantities, or are regulated under TSCA 8(d).

### **16. OTHER INFORMATION**

**Full text of R-phrases referred to under sections 2 and 3.**

R22 Harmful if swallowed

R36/37/38 Irritating to eyes, respiratory system and skin

**Full text of H-Statements referred to under sections 2 and 3.**

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This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations. We make no representation as to completeness or accuracy. In no event we shall be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information and recommendations.

\* \* \* END OF MSDS \* \* \*