

<p align="center">MATERIAL SAFETY DATA SHEET ABC Fire Extinguisher</p>

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 02330 Powder Fire Extinguisher

APPLICATIONS: Fire Extinguisher

SUPPLIER: Draper Tools Ltd
Hursley Road
Chandlers Ford
Eastleigh
Hampshire
SO53 1YF

Draper Helpline +44 (0) 2380 494344

SECTION 2 – COMPOSITION AND INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS N°	% W/W	OSHA PEL Mg/m ³	ACGIH TLV Mg/m ³	TOXICITY DATA
Mono ammonium phosphate	7722-76-1	20-40	None	None	None
Ammonium sulfate	7783-20-2	55-75	None	None	None

SECTION 3 – PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling point, °C:	N/A	Density	Min 0.8Kg/m3	Viscosity @ 20° C	N/A
Vapor pressure, mm Hg	N/A	Percent volatile by volume	N/A	Melting point, °C	NDA
Vapor density (Air =1)	N/A	Evaporation rate (Butylacetrates=1)	N/A	Solubility in water	Soluble in water but silicon additives delays dissolution
Reactivity in water : Unreactive		Appearance and odor : Pale colored fine powder (Variable color) Odorless			

SECTION 4 – FIRE FIGHTING MEASURES

Flash point :	N/A	Flammable limits in air, % by volume	N/A	Auto-ignition temperature	N/A
Extinguishing media:	N/A – The product is a fire extinguishing agent				
Unusual fire and explosion hazards:	None				
Special fire fighting procedure	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 hazards of those materials, In enclosed areas, fire fighters must wear self contained breathing apparatus and full protective equipment.				

SECTION 5 – ACCIDENTAL RELEASE MEASURES

Do not allow to enter public sewers and water courses. if contamination of drainage systems or watercourses is unavoidable, immediately inform appropriate authorities

Shovel into dry containers. Cover and move the containers. Vacuum cleaning is recommended to minimize dust formation. Flush the area with water.

SECTION 6 – STABILITY AND REACTIVITY

Stability : Stable	Conditions to avoid: Extreme heat	Hazardous Polymerization: Will not occur
Incompatibility (material to avoid)	Strong alkalis. Do not mix with BC type dry chemical extinguishing agents.	
Hazardous decomposition products:	Ammonia, phosphorus oxides.	

SECTION 7 – HEALTH HAZARD DATA

Threshold limit value:	ACGIH TLV for particulars not otherwise classified : 10 mg/m ³ OSHA PEL for nuisance dust limit total : 15 mg/m ³		
Routes of entry:	Inhalation: Yes; may be irritant to the respiratory tract. Eye contact: Yes; mildly irritant for a short period. Skin contact: Yes; may be mildly irritating. Ingestion; NOT an excepted route of entry.		
Signs and symptoms of overexposure:	Acute: Transient cough, shortness of breath, irritation of airways. Chronic: This product is not known to cause chronic illness.		
Medical conditions generally aggravated by exposure:	Asthma, emphysema, bronchitis or other respiratory illness.		
Chemical listed as carcinogen or potential:	NTP program : No	IARC monographs : No	OSHA : No

SECTION 8 – FIRST AID MEASURES

Emergency and first aid procedures:	Eye contact: Flush with large amounts of fresh water for at least 10 minutes. If irritation persists, seek medical attention. Skin contact: Wash with soap and water. If irritation persists, seek medical attention. Inhalation: Move victim to fresh air, seek medical attention if discomfort continues. Ingestion: Rinse mouth, drink large amounts of water and induce vomiting, seek medical help.
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SECTION 9 – HANDLING AND STORAGE

Precaution to be taken in handling and storage.	Should be stored in original containers, store in dry, cool, well – ventilated place away from alkaline compounds. Wash after handling. Do not cut, grind, weld or drill on or near product containers. Treat empty containers as if they were full.
Other precautions:	Do not mix with alkaline materials.
Steps to be taken in case materials is released or spilled:	Sweep up or vacuum, Store in covered containers. Do not reuse, In case of large spills, use rubber gloves, chemically resistant suit and boots, hard hat air purifying respirator.

SECTION 10 – DISPOSAL CONSIDERATION	
Disposal method:	Powder or contaminated packaging to be collected, sealed tightly in bags and disposed on approved landfills. Do not dispose with alkalis.
Waste class:	European waste catalogue 160304

SECTION 11 – SPECIAL PROTECTION INFORMATION	
Respiratory protection:	Dust mask where dustiness is prevalent or TLV exceeded, Mechanical filter respirator is exposure is prolonged.
Ventilation:	Use adequate ventilation, Use fan or vent to outside.
Protective gloves:	Wear rubber gloves for routine industrial use.
Eye protection:	Recommended as mechanical barrier for prolonged exposure, Safety glasses or chemical type goggles,
Other protective equipment:	If irritation occurs, long sleeves and impervious gloves should be worn.
Work/Hygienic practices:	Use good personal hygiene and good housekeeping practices. Avoid breathing of dust wash with soap and water.

SECTION 12 – TOXICOLOGICAL INFORMATION	
Toxic dose - LD50: Ammonium sulphate :> 3000mg/kg (oral rat). Monoammonium phosphate: Unknown toxicity, it is a general purpose food additive.	
Ingestion	: May cause discomfort if swallowed.
Skin contact	: Prolonged or repeated exposure may cause irritation.
Inhalation	: Dust may irritate respiratory system or lungs.
Eye contact	: Particles in the eyes may cause irritation and smarting.

SECTION 13 – ECOLOGICAL INFORMATION	
Mobility	: Soluble in water therefore it could lower the Ph if washed into water courses
Bioaccumulation	: Low potential for bioaccumulation.
Degradability	: Not readily biodegradable. Note: Ammonium salts and phosphates act as plant nutrients.
Acute fish toxicity : Not toxic at limit of water solubility	
In the event of large spillage, advice appropriate authority.	

SECTION 14 – TRANSPORTATION INFORMATION	
DOT Shipping Name :Fire Extinguishers	DOT Hazards Class : 2.2
DOT ID Number: UN 1044	DOT Label: Non-Flammable gas

SECTION 15 – OTHER REGULATORY INFORMATION		
HAZARDOUS MATERIAL IDENTIFICATION SYSTEM RATINGS		
HEALTH : 1	FLAMMABILITY : 0	REACTIVITY : 0
HAZARD INDEX : 0 Minimal hazard; 1 Slight hazard; 2 Moderate hazard; 3 Serious hazard; 4 Severe hazard		

GENERAL KEYS:

N/A: Not applicable

NDA: No data available

The information herein is given in good faith. It is based on available data and is believed to be true and accurate, but no warranty, expressed or implied, is made. Therefore National Fire Fighting Mfg. FZ Co. assumes NO responsibility for damage or injury from the use of the product described here in.

