



Company:	M P S M & Bull Partnership - HR2 6JF
Substance(s) being Assessed:	Powder Extinguisher (ABC)
Where is substance used?:	Warehouse/Vehicles/Customer Sites
COSHH Reference Number:	Dry Powder
Safety Data Sheet Ref. No.:	ABC_Powder
Emergency Contact Number:	01432 373161
Date of Assessment:	07/11/2011

Powder Extinguisher (ABC)

What is the substance used for?

Fire fighting equipment to be used Class A, B and C fires only.

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

IDENTIFICATION: ABC Fire Extinguisher

COMPANY NAME: Bull Products

PRODUCT APPLICATION: Fire Extinguishing Agent

COMPOSITION/INFORMATION ON INGREDIENTS

CAS Number	Ingredients	%W/W
7783 – 20 - 2	Ammonium Sulphate	55-75
7722 – 76 - 1	Mono Ammonium Phosphate.	20-40

Substance Hazards:



IDENTIFICATION OF HAZARDS

Threshold limit value: ACGIH TLV for particulates not otherwise classified: 10mg/m³, OSHA PEL for nuisance dust limit total: 15mg/m³

Routes of Entry:

Inhalation: Yes, may be irritant to the respiratory tract.

Eye contact: Yes, mildly irritant for a short period.

Ingestion: NOT an accepted 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 other other respiratory illness. Not listed as carcinogen or potential.

PHYSICAL & CHEMICAL PROPERTIES

i. Appearance: Fine white/ pale yellow powder. ii. Odour: None. iii. Solubility: Soluble. Silicon additive delays dissolution.

iv. Density: Loose: 1.8 gm/m³.

STABILITY & REACTIVITY

Stability: Normally stable.

Conditions to avoid: Extreme Heat

Incompatibility (material to avoid): Strong alkalis. Do not mix with BC type dry chemical extinguishing agent.

Hazardous decomposition products: Ammonia, phosphorus oxides.

Workplace Exposure Limit:

See Exposure Controls

Routes of Exposure:



EXPOSURE CONTROLS

Exposure Standards (UK). OES: 10mg/m³ total dust : 5mg/m³ resp. dust. Time weighted averages : 8 hours.

TOXICOLOGICAL PROPERTIES

Mono Ammonium Phosphate : 3000mg/kg

Ammonium Sulphate: 3000mg/kg

Exposure Hazards: i. Skin Contact: Mildly irritant only. ii. Eye Contact: Dust can cause irritation and discomfort. iii. Inhalation: Lung function impairment.

ECOLOGICAL INFORMATION

The product could lower the pH in a watercourse and in the event of a large discharge the relevant local authority would need to be informed. Phosphates and ammonium salts act as plant fertilizers.

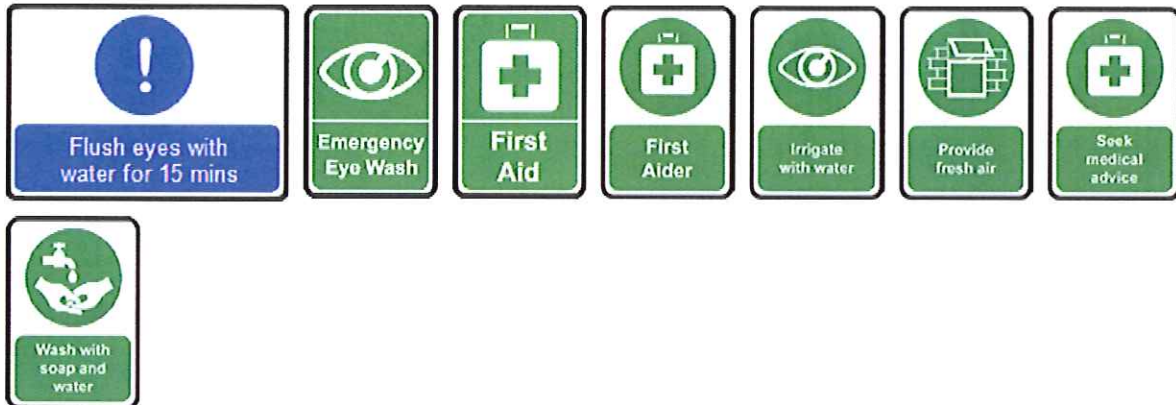
Who might be harmed?

All Staff

Control Measures:



First aid and Fire:



FIRST AID MEASURES

Inhalation: Remove casualty from exposure. Provide rest, warmth and fresh air. Seek medical attention if discomfort persists.

Skin contact: Wash with soap and water. If irritation persists, seek medical attention.

Eye contact: Flush with large amounts of water for at least 10 minutes while lifting the eye lids. If irritation persists, seek medical attention.

Ingestion: Rinse mouth with water and give plenty of water to drink and induce vomiting, seek medical help.

FIRE FIGHTING MEASURES

This product 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.

Storage, Disposal & Spillage:



ACCIDENTAL RELEASE ACTIONS

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.

STORAGE & HANDLING

Should be stored in original containers, store in a 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. **DO NOT MIX WITH ALKALINE MATERIALS.**

DISPOSAL CONSIDERATIONS

Dispose of in compliance with local, state and federal regulations. Components are non hazardous; sanitary landfill disposal may be acceptable.

NOTE: As a service to our customers, BULL PRODUCTS has recycling facilities in place for the disposal of all extinguishers. If required please contact us on 01432 371170 to request that arrangements be made.

TRANSPORT INFORMATION

Shipping information

DOT shipping name: Fire Extinguishers

DOT hazard class: 2.2

DOT ID Number: UN 1044

DOT label: Non Flammable Gas

REGULATORY INFORMATION

Refer to local Manual Handling regulations for the movement of the larger pack sizes. This product is not classified as a hazardous chemical under the Chemicals regulations 1994 (Packaging). The user is required to undertake an individual workplace risk assessment.

Personal Protective Equipment:



Personal Protection

Respiratory protection: Dust mask where dustiness is prevalent or TLV exceeded. Mechanical filter respirator if exposure is controlled.

Ventilation: Use adequate ventilation, use fan or vent to outside.

Protection 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/hygiene practices: Use good personal hygiene and good housekeeping practices. Avoid breathing of dust, wash with soap and water.

The calculated risk factor for this task/operation is **3** (Probability: 1 x Severity: 3)

This is classed as a **LOW** risk

Additional Measures:

None Required

Operating Procedures:

REGULATORY INFORMATION

Refer to local Manual Handling regulations for the movement of the larger pack sizes. This product is not classified as a hazardous chemical under the Chemicals regulations 1994 (Packaging). The user is required to undertake an individual workplace risk assessment.

OTHER INFORMATION

This product should not be used for purposes other than fire-fighting without obtaining written authorisation from the supplier named in paragraph 1. It is the users responsibility to maintain compliance with all relevant, current legislation when using, transporting, storing, and handling this product. HSE publications EH40 and EH44 apply.

Review Date: 07/11/2012

Name of Assessor: Ann-Marie Bishop

Position: HR, Quality, H & S Manager

Signature/s: *AMB*

Date: *11/11/2011*

