

JOHN ASTLEY & SONS LTD

MATERIAL SAFETY DATA SHEET

54596 - 54597

18/01/07

ABC POWDER FIRE EXTINGUISHERS

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

- Product stock code/s:** 54596 to 54597
- Product Name:** ABC Powder Fire extinguishers
- Product Application:** Fire fighting powder for use on Class A, B and C fires
- Manufacturer:** Draper Tools Ltd,
Hursley Road
Chandler's Ford,
Eastleigh, Hampshire
SO53 1YF
Tel: 023 8026 6355 Fax: 023 8026 0784
- Distributor:** John Astley & Sons Ltd,
Renown Avenue,
Coventry Business Park,
Coventry, CV5 6UF
Tel: (024) 7685 4545. Fax: (024) 7685 4515. E-mail: sales@astleys.co.uk

2. COMPOSITION INFORMATION ON INGREDIENTS

- Composition:** There are no hazardous components based upon current legislation. Please see section 8 for respirable dust information.

3. HAZARDS IDENTIFICATION

- Hazard identification:** Not regarded as a health or environmental hazard under current legislation. No known acute health effects when used as intended.

4. FIRST AID MEASURES

- Inhalation:** Remove casualty from exposure. Provide rest, warmth and fresh air.
- Ingestion:** Rinse mouth with water and give plenty of water to drink. Do not induce vomiting.
- Skin contact:** Wash the skin immediately with soap and water.
- Eye contact:** Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes.
- Other:** If symptoms persist seek medical advice and treat symptomatically.

5. FIRE FIGHTING MEASURES

- Specific measures:** No specific measures required, as this product is a fire-extinguishing medium. If product containers are involved in fire then suitable extinguishing media should be applied.

6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** When dealing with spillage do not eat, drink or smoke. Avoid dust formation.
- Environmental Precautions:** Do not allow to enter public sewers and watercourses. If contamination of drainage systems or watercourses is unavoidable, immediately inform appropriate authorities.
- Clean up Methods:** Shovel into dry containers. Cover and move the containers. Vacuum cleaning is recommended to minimise dust formation. Flush the area with water.

ABC POWDER FIRE EXTINGUISHERS**7. HANDLING AND STORAGE**

- Handling:** When handling this product use suitable containment methods to avoid generation of dust and local exhaust ventilation to limit personal exposure.
- Storage:** Keep cool and dry in the absence of vibration. Maintain good housekeeping practice, store away from sodium hypochlorite (bleach).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Ingredient comments:** Product contains respirable Silica, which has a MEL of 0.3 mg/m³ (8 hour TWA).
- Personal protection:** Use of gloves, goggles and protective clothing is recommended.
- Ventilation:** Provide sufficient ventilation for operations causing dust formation.
- Respirators:** Respiratory protection (P1) must be used if air concentration exceeds acceptable level.
- Protective gloves:** No specific hand protection noted but gloves may be still advisable. Use protective gloves made of Impermeable material.
- Eye protection:** Wear approved chemical safety goggles where eye exposure is reasonably probable.
- Hygienic work practices:** Wash at end of each work shift and before eating, smoking and using toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES*

- Appearance:** Fine powder.
- Odour:** Odourless.
- pH:** 4.5 of 5% solution in water.
- Density/Specific Gravity:** Settled apparent density 1000 - 1300 kg/m³.
- Solubility:** Soluble in water but silicon additive delays dissolution.
- Flammability:** Non-flammable.
- Decomposition:at** 190°C in flame zone.

10. STABILITY AND REACTIVITY

- Stability:** Normally stable.
- Materials to Avoid:** Alkalis, water, caustic products and strong oxidising agents.
- Conditions to Avoid:** Extreme temperatures and moisture.

11. TOXICOLOGICAL INFORMATION

- Toxic dose - LD50:** Ammonium sulphate: >3000 mg/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.

ABC POWDER FIRE EXTINGUISHERS**12. ECOLOGICAL INFORMATION**

Mobility:	Soluble in water therefore it could lower the pH if washed into watercourses.
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.
Note:	In the event of large spillage, advise appropriate authority.

13. WASTE DISPOSAL

Disposal methods:	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.

14. TRANSPORT INFORMATION

Transport Requirements: Not classified as hazardous for transport.

15. REGULATORY INFORMATION

Risk phrases:	Not classified.
Safety phrases:	S-22 do not breathe dust.
UK regulatory references:	Classification, Packaging and Labelling Regulations 1984. The Control of Substances Hazardous to Health Regulations 1988. Chemicals (Hazard Information & Packaging) Regulations 1993.
EU directives:	Dangerous Preparations Directive 88\379. System of specific information relating to Dangerous Preparations. 9TV155. Safety Data Sheet Directive 2001/58.
Statutory instruments:	Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.
Code of practice:	Safety Data Sheets for Substances and Preparations L62. Classification and Labelling of Substances and Preparations Dangerous for Supply.
Guidance notes:	Occupational Exposure Limits EH40. CHIP for everyone HSG (108).

16. OTHER INFORMATION

Information sources:	Croner's: Substances Hazardous to Health. Croner's: Emergency First Aid Guide. Croner's: Emergency Spillage Guide. Croner's: Dangerous Substances.
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The data in this Safety Data Sheet has been supplied as required by the Chemicals (Hazard Identification and Packaging) Regulations 1997, as amended, for the purpose of protecting the health and safety of industrial users who are deemed capable of understanding and acting on the information provided. Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.

This data sheet does not constitute a users assessment of the workplace risk as required by the Health and Safety at Work Act, COSHH, Management of Health and Safety at Work or other health and safety legislation.

Issued: 11th May 2004

ABC POWDER FIRE EXTINGUISHERS

OPERATING INSTRUCTIONS

Safety Information:

Carefully read all the way through these operating instructions and pass on the enclosed information to any other possible users or owners of the fire extinguisher. Read these instructions carefully before setting up or installing the fire extinguisher at the place of use and before using it for the first time.

If possible, users of fire extinguishers must be suitably instructed how to use and made aware of any potential dangers from misuse. Keep small children away from fire extinguishers!

The lettering plate with pictogram-style explanations explains appropriate use.

Do not direct the jet of extinguishing agent directly at another person. Stand back at least 1 metre when spraying a person who is on fire.

Only persons with specialist knowledge (persons specially trained manufacturer or authorised after sales service) may open or service the fire extinguisher.

The tank can be under pressure, do not subject the fire extinguisher to external force. Do not open it forcibly.

Damaged or corroded tanks and fittings must be depressurised by an authorized person.

It is not allowed to make any changes to the tank, for example, by welding or soldering.

Keep the fire extinguisher clean; do not use aggressive cleaning agents. Only clean it with a damp cloth.

The tank may only be used as a fire extinguisher tank.

Do not subject to direct sunlight.

Only dispose of the fire extinguisher through a recognised disposal company once it has been completely emptied and depressurised.

Fire extinguisher in vehicles must always be securely fastened down. The fire extinguisher must be held in its special holder in such a way that it is not damaged by normal vibration or movements, nor can it fall out of the holder.

Only pass on fire extinguishers to a third party if these operating instructions are included.

Full pressure change 0 bar to 18,5 bar: maximum 500 load cycles.

Functional data on the fire-extinguishing agent (user data)

Functional temperature range (related to extinguishing agent): see printed plate /pictogram.

Nominal rated operating pressure (sustained pressure extinguisher) at +20C: see printed plate /pictogram.

The equipment-specific data printed on the label such as the functional range, nominal operating pressure, quantity of extinguishing agent and propellant gas pressure apply for the operative fire extinguisher with extinguishing agent.

The values given here must be followed without fail, neither more nor less under any circumstances