

SAFETY DATA SHEET

(CONFORMS TO EC DIRECTIVE
91/155/EEC)

Chemical product and company identification

Trade name: **ISOCOMP ABC 48, 70, PRIMA**
Product Application: **Fire Extinguishing Powder**
Manufacturer: **ABC POWDER COMPANY LTD**
Unit 1 Spencer Industrial Estate, Liverpool Road Buckley
Flintshire CH7 3LY UK

Telephone: **01244 541262/546078** FAX **01244 541263**

Composition and ingredient information

Component name	CAS no	EINECS no.	Composition
Monoammonium phosphate	7722-76-1	231-764-5	48-90%
Ammonium sulphate	7783-20-2	231-984-1	5-47%

Hazard identification

No known acute health effects when used as intended.

First aid measures

Inhalation: Move to fresh air.
Skin contact: Wash off with plenty of water.
Eye contact: Irrigate with fresh water for a least ten minutes holding eyelids apart.
Ingestion: Rinse mouth with water and give plenty of water to drink.
If other symptoms persist seek medical advice and treat symptomatically.

Fire fighting measures

No specific measures required as this product is a fire extinguishing medium.

Accidental release measures

Clear up spillage and transfer to a container for recovery or disposal. Vacuum cleaning is recommended to minimise dust formation.

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.

Exposure controls and personal protection

Occupational exposure standards:

United Kingdom OES: 10mg/m³ total dust; 5mg/m³ respirable dust
8-hour time weighted averages. (Ref: EH40/97)

Personal Protection:

Wear suitable respiratory protect eg dust mask/respirator to reduce personal exposure to below OES.

Overalls, gloves and eye protection recommended for regular handling and the normal hygiene measures adopted when using chemicals.

Physical and chemical properties

Appearance: Fine, blue, pink white or yellow powder
 Odour: Odourless
 pH: 4.5 to of 5% solution in water
 Density: Settled apparent density 1100-1600 kg/m³
 Solubility: Soluble in water but silicon additive delays dissolution
 Flammability: Non-flammable
 Decomposition: at 27°C in flame zone

Stability and reactivity

Reacts with acids to liberate carbon dioxide.

If powder becomes damp or hard it is not suitable for fire-fighting purposes.

Toxicological properties

Data on acute toxicity Oral, rat, LD₅₀ eye, rabbit, severe irritation

Sodium bicarbonate 4220mg/kg ****
 Calcium carbonate 6450mg/kg 750µg/24 hours

Ingestion: Practically non-harmful
 Skin contact: Mild irritant
 Inhalation: Long term inhalation of dust may impair lung function.
 Eye contact: Dust may cause discomfort or irritation.

Ecological information

Because product is soluble in water it could lower the pH if washed into water courses. In the event of large spillage, advise appropriate authority. NOTE: ammonium salts and phosphates act as plant nutrients.

Disposal considerations

Disposal of surplus product or contaminated packaging according to local and national legislation. Do not dispose with acids.

Transport information

Not classified as hazardous for transport.

Regulatory information

Not classified under Chemicals (Hazard Information and Packaging for Supply) Regulations 1994 as hazardous. Refer to Health and Safety at Work and the Control of Substances Hazardous to Work Regulations. This material safety data sheet does not constitute the user's own assessment of workplace risk as required by the above regulations. The Manual Handling Operations Regulations may be applicable to certain pack sizes of this product.

Other information

The information in this safety data sheet is based on the present state of knowledge and current national legislation. It provides guidance on safety health and environmental aspects of the product and should not be construed as any guarantee of performance. The product should not be used for purposes other than fire fighting without first referring to the supplier. The user is responsible for ensuring that requirements of relevant legislation are complied with. Further information may be obtained from the following Health and Safety Executive (United Kingdom) publications:

EH40 Occupational Exposure Limited (updated annually)

EH44 Dust: General principles of protection.
