



## Chemical Data Sheet

### Identification

<b>Product Name:</b> Centrimax ABC (All grades) <b>Synonyms:</b>	<b>Use:</b> a) Fire Extinguishing Powder
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### Basic Ingredients

<b>Material:</b> Monoammonium Phosphate Ammonium Sulphate	<b>Cas No:</b> 7722-76-1 7783-20-2	<b>EINECS No:</b> 231-764-5 231-984-1
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### Hazard Identification

No known acute health effects.

### First Aid Measures

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

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

### Accidental Release Measures

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

### Handling & Storage

<b>Handling:</b> <b>Storage:</b>	When handling this product use suitable containment methods to avoid generation of dust & local exhaust ventilation to limit personal exposure. Keep cool & dry in the absence of vibration. Maintain good housekeeping practice, store away from sodium hypochlorite (bleach).
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### Exposure Controls & Personal Protection

Occupational exposure standards. United Kingdom OES:  Personal Protection:	10mg/m <sup>3</sup> total dust: 4mg/m <sup>3</sup> respirable dust 8 hour time weighted averages (Ref: EH40/98). Wear suitable respiratory protection e.g. Dust mask/respirator to reduce personal exposure to below OES. Overalls, gloves & eye protection recommended for regular handling & the normal hygiene measures adopted when using chemicals.
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**Physical & Chemical Properties**

Appearance:	Fine, yellow powder.
Odour:	Odourless.
pH:	4.5 of 5% solution in water.
Density:	Settled apparent density 1000-1300 kg/m <sup>3</sup> ; loose density 1.8g/m <sup>3</sup> .
Solubility:	Soluble in water but silicone additive delays dissolution.
Flammability:	Non-flammable.
Decomposition:	At 190°C in flame zone.

**Stability & Reactivity**

Reacts with alkalis to liberate ammonia.  
If powder becomes damp or hard it is not suitable for fire-fighting purposes.

**Toxicological Properties**

Data on acute toxicity:	Oral, rat, LD 50.
Ammonium Phosphate:	3000mg/kg.
Monoammonium Phosphate:	Unknown toxicity. It is a general-purpose food additive.
Ingestion:	Practically non-harmful.
Skin contact:	May cause mild irritation.
Inhalation:	Long term inhalation of dust may cause irritation to the mucous membranes.
Eye contact:	Dust may cause discomfort or irritation.

**Ecological Information**

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

**Disposal Considerations**

Dispose of surplus product or contaminated packaging according to local & national legislation. Do not dispose with alkalis.

**Transport Information**

Not classified as hazardous for transport.

**Regulatory Information**

Not classified under Chemicals (Hazard Information & Packaging for Supply) Regulations 1994 as hazardous. Refer to Health & Safety at Work Act & the Control of Substances to Work Regulations. This material safety data sheet does not constitute the users 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.

Mandatory labelling not applicable (EEC directive 67/548/EEC).



### Other Information

The information in this safety data sheet is based on the present state of knowledge & current national legislation. It provides guidance on safety & environmental aspects of the product & 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 & Safety Executive publications:

EH40 Occupational Exposure Limits

EH44 Dust: General principles of protection

### Reference

Croda Fire Fighting Chemicals Limited, Ashcroft Road, Knowsley Industrial Park, Liverpool L33 7TS.