

Material Safety Data Sheet



Moyne Roberts
TRUSTED SAFETY SOLUTIONS

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Moyne ASSURED

1. Chemical Product and Company Identification

Trade name: Moyne Roberts ABC 50
Uses: Used in Moyne Roberts fire extinguisher models MP-1, MP-2, MP-3, MP-4, MP-6, MP-9 and MP-12 on Class A,B & C Fires.
Product Application: Powder Fire Extinguishing agent
Distributor: Moyne Roberts (Ireland) Limited
Moynehall, Cavan, Co Cavan, Ireland.
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2. Composition and ingredient information

Chemicals in accordance with REACH Regulation (EC) No. 1907/2006:

Component name	CAS no	Content%
Ammonium Dihydrogenorthophosphate EC: 231-764-5 (REACH Registration No. 01-2119488166-29-0038)	7722-76-1	52.0+/-2.0
Ammonium Sulphate EC: 231-984-1 (REACH Registration No. 01-2119455044-46-0079)	7783-20-2	36.0+/-3.0
Mica	12001-26-2	<5.0
Methyl H Polysiloxane	63148-57-2	<1.0

3. Hazard identification

No known acute health effects

4. First aid measures

Inhalation: Move to fresh air
Skin contact: Wash off with plenty of water
Eye contact: Irrigate with fresh water for at 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.

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5. Fire fighting measures

No specific measures required. This product is a fire-extinguishing medium.

6. Accidental release measures

Personal precautions: Wear protective clothing as section 8. Avoid raising dust.

Environmental precautions: No special precautions are necessary for this product.

Clean up action: Clear up spillage and transfer to a container for recovery or disposal. Vacuum cleaning is recommended to minimise dust formation. Wash spill site with detergent and water.

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 original container . Maintain good housekeeping practice.

8. Exposure controls and personal protection

Occupational exposure standards:

United Kingdom OES: 10mg/m³ total dust: 4mg/m³ respirable dust
8-hour time weighted averages. (Ref: EH40/98)

Personal Protection: Wear suitable respiratory protection 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. In case of regular use it is recommended to install a dust aspirator system.

9. Physical and chemical properties

Appearance: Fine, yellow powder

Odour: Odourless

pH: 4 - 4.5 at 10% concentration

Density: Settled apparent density 1000-1300 kg/m³;
loose density 1.8g/m³

Solubility: Soluble in water but silicon additive delays dissolution

Flammability: Non-flammable

Decomposition: at 190°C in flame zone

10. Stability and reactivity

Considered stable under normal conditions.

Reacts with alkalis to liberate ammonia.

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

11. Toxicological properties

Data on acute toxicity Oral, rat, LD50

Ingestion: Practically non-harmful

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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
No classification	

12. 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 and phosphates act as plant nutrients. Presents little or no hazard to the environment.

13. Disposal considerations

Dispose of surplus product or contaminated packaging according to local and national legislation.
Not to be disposed of with household waste.
Do not dispose with alkalis.
European Waste Code :16 05 09 Wastes not otherwise specified in the list- discarded chemicals

14. Transport information

Not classified as hazardous for transport.

15. Regulatory information

Not classified under Chemicals (Hazard Information and Packaging for Supply) Regulations 1994 as hazardous. Refer to Health and Safety at Work Act 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.

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 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 publications:

EH40 Occupational Exposure Limits (updated annually)

EH44 Dust: General principles of protection.

This safety data sheet is provided in compliance with The Safety Data Sheets Directive 2001/58/EC.
