

Material Safety Data Sheet



Moyne Roberts Ltd

1. IDENTIFICATION

Product Name Aquamax
Uses Fire fighting liquid concentrate for use on Class A fires.
Manufacturer / Supplier Moyne-Roberts (IRL) Limited
Moynehall, Cavan, Ireland.
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2. COMPOSITION / INGREDIENTS

Chemical composition Ammonium salts in solution.
Water CAS number 7732-18-5
Ammonium salts CAS number 7783-28-0

3. POSSIBLE HAZARDS



May be harmful if ingested in quantity, causing nausea, vomiting and diarrhoea. Irritating to eyes.
This preparation is not classified as dangerous according to European Directive 1999/45/EC

4. FIRST AID MEASURES

Remove contaminated clothing immediately, wash clothing before re-use.

Eyes: Irrigate thoroughly with water. If discomfort persists obtain medical advice.
Skin: Wash off thoroughly with soap and water.
Mouth: Wash out mouth with water. In severe cases obtain medical attention.
Ingestion: Do not induce vomiting. Drink large amounts of water to dilute stomach contents. Small quantities are unlikely to cause toxic effect. Get medical attention if a large amount is ingested (children, more than 250ml)

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Inhalation

Seek medical attention

5. FIRE FIGHTING MEASURES

Not flammable. However when strongly heated will decompose giving off ammonia.

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protective clothing. Dispose of in accordance with local sewage regulations. Mop up with plenty of water (dilution 0.1% minimum) and run to waste. Otherwise transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with detergent and water. For large spillages the liquid should be contained with liquid binding materials, sand or sawdust and transferred to salvage containers, any residues to be treated as small spillages. If the solution has entered surface drains it may be necessary to inform the local authority. Provide ventilation in enclosed places. Avoid eye and skin contact.

7. HANDLING AND STORAGE

No special handling techniques are required. The product should be stored in the sealed original containers above +5C and below +50C. Freezing and thawing does not affect the substance properties. Where prolonged contact / splashing is unavoidable, it is recommended that gloves and goggles be worn as a precautionary measure.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: Not required

Hand Protection: Suitable protection may be provided by using chemical resistant gloves made from nitrile or butyl rubber of at least 0.4mm thickness according to EN 374 - Part 3 Level 6. Always seek advice from glove suppliers. Note that the durability of the recommended gloves can be shorter than the permeation times found in EN 374 due to different influences (e.g. temperature)

Eye Protection: Use safety goggles.

General: Remove any contaminated clothing. Keep away from food and beverages. Wash hands after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state, colour.

Pale yellow liquid.

Typical Physical and Chemical Properties

Density	1.16 g/cm ³
pH at 20 degrees centigrade	7.0 - 9.0

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Boiling point	ca 100 C at 760 mm hg
Freeze point	ca -3C
Solubility	Miscible with water in all proportions.
Flash point	Not flammable.
Explosive properties	Not explosive

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable
Thermal decomposition:	None with appropriate use
Hazardous decomposition products:	None known

11. TOXICOLOGICAL INFORMATION

Carcinogenicity	No evidence of carcinogenic properties.
Mutagenicity / Teratogenicity	No evidence of mutagenicity / teratogenicity effects.
Exposure limits	Exposure limits not assigned. (Long-term, 8 hour TWA) There are no known chronic or acute effects from this product, although after repeated or prolonged contact with the skin irritation could occur from non-allergic dermatitis and skin absorption.
Sensitising effects:	Irritant

12. ECOLOGICAL INFORMATION

Persistence/degradability:	Readily biodegradable
Bioaccumulation:	Bioaccumulation is unlikely to occur due to metabolism and excretion
Ecotoxicity:	No data available at present

13. DISPOSAL CONSIDERATIONS

Waste should be disposed of via local authority waste collection service or registered waste carrier

14. TRANSPORT INFORMATION

Not classified as hazardous for transport	
UN Proper shipping name:	Not regulated
UN Class:	None
UN Number:	None
UN Packaging Group:	None

15. REGULATORY INFORMATION

UK Regulatory References:	Health and Safety at Work Act 1974 Chemicals (Hazard Information & Packaging for Supply) Regulations 1994
EC Directives:	Substances Directive 67/548/EEC including amendments

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Code of Practice: General Preparations Directive 88/379/EEC
Classification & Labelling of Substances & Preparations dangerous for supply.
Guidance Notes: Occupational Exposure Limits EH40/96

16. OTHER INFORMATION

The information on this data sheet is based on present knowledge and legislation. It provides guidance on safety and environmental aspects of the product and should not be construed as any guarantee of performance. This product should not be used for purposes other than fire fighting the appropriate class of fire. The user is responsible for ensuring that the requirements of relevant legislation are complied with.

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