

SAFETY DATA SHEET

(CONFORMS TO EC DIRECTIVE

91/155/EEC)

Chemical product and company identification

Trade name: **FOAM CHARGE INNER**
Product Application: Fire Extinguishing Chemical
Manufacturer: **ABC POWDER COMPANY LTD**
Unit 1 Spencer Industrial Estate, Liverpool Road Buckley
Flintshire CH7 3LY UK

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Composition and ingredient information

Component name	CAS no	EINECS No.	Composition	Risk Phrases
Aluminium Sulphate, powder/crystal	10043-013	233-135-0	>90%	R36/37/38
Warning Symbol:	Xi irritant.			

Hazard identification

On contact with moisture, releases sulphuric acid which causes severe irritation to skin, eyes and respiratory system.

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 any symptoms persist seek medical advice promptly.

Accidental release measures

Before clearing a spillage, fit personal protective equipment as specified below. Damp down spillage and transfer to a non-metallic container for recovery or disposal (see "disposal considerations").

Handling and storage

Handling: Treat this product as a weakly acidic substance. Avoid swallowing, inhaling fume or dust and contact with skin or eyes by using appropriate personal protection. Limit personal exposure by using local exhaust ventilation.
Storage: Keep dry and well sealed to prevent contact with moisture. Maintain good housekeeping practice.

Exposure controls and personal protection

Occupational exposure standards:

United Kingdom OES: 2mg/m³ respirable dust
8-hour time weighted average. (Ref: EH40/98)

Personal Protection: If occupational exposure cannot be adequately controlled by local exhaust ventilation, wear suitable personal protective equipment eg goggles, gloves and respirator.

Physical and chemical properties

Appearance: White solid
Odour: Slight or none
pH: 1.9 - 2.4 of 50% solution in water
Density: 1690 kg/m³
Solubility: Very soluble in water.
Flammability: Non-flammable
Decomposition: Decomposes to give oxids of sulphur

Stability and reactivity

Reacts with alkalis, chlorites, sulphates, hypochlorites. Avoid contact with moist metals (aluminium copper zino etc). Reacts with water, steam or atmospheric moisture to form sulphuric acid.

Toxicological properties

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

Aluminium Sulphate >5000mg/kg

Ingestion: Wash out mouth thoroughly with water, give plenty of water to drink and obtain medical advice promptly.

Skin contact: Irritant

Inhalation: Remove to fresh air and obtain medical advice.

Eye contact: Dust may cause irritation.

Ecological information

On contact with water, aluminium sulphate will produce sulphuric acid and gelatinous aluminium hydroxide, avoid discharge to water courses because it has an adverse effect on aquatic life (fish, algae and plankton). In the event of a spillage advise appropriate authority promptly.

Disposal considerations

Unused product or contaminated containers should be considered as "special waste", and disposed of according to local and national considerations, by a licensed contractor.

Transport information

Not classified as hazardous for transport.

Regulatory information

Classified under Chemicals (Hazard Information and Packaging for Supply) Regulations 1994 as an IRRITANT. 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.

Risk phrases: R36/37/38

Irritating to eyes, respiratory system and skin.

Safety phrases: S26-28 37/39

In case of contact with eye, rinse immediately with plenty of water and seek medical advice. After contact with skin wash immediately with plenty of water. Wear suitable gloves and eye/face protection.

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 specified 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.
