



MATERIAL SAFETY DATA SHEET - DRY POWDER

1. Identification of product/substance and company

Product Identifier ABC Powder
Trade Name
Chemical Description
Chemical Formula
Registration No.
Use Fire extinguishing agent

2. Hazards Identification

For Humans
Product:
EU Classification Harmful
R-Phrases 22 Harmful if swallowed
36/37/38 Irritating to eyes, respiratory system and skin
S-Phrases 26 In case of contact with eyes, rinse immediately with water and seek medical advice.
36 Wear suitable protective clothing

Components:
Ammonium dihydrogen phosphate
EU Classification Harmful
R-Phrases 22 Harmful if swallowed
36/37/38 Irritating to eyes, respiratory system and skin
S-Phrases 26 In case of contact with eyes, rinse immediately with water and seek medical advice
36 Wear suitable protective clothing

Ammonium sulphate
EU Classification Irritant
R-Phrases 36/37/38 Irritating to eyes, respiratory system and skin
S-Phrases 26 In case of contact with eyes, rinse immediately with water and seek medical advice
36 Wear suitable protective clothing

3. Composition & Information on Ingredients

Reach No.	CAS No.	Ingredients	%	EU Classification
231-764-5	7722-76-1	Ammonium dihydrogen phosphate	>95	R22, R36/37/38
231-984-1	7783-20-2	Ammonium sulphate	>95	R36/37/38
N/A	N/A	Other non-hazardous materials	>5	N/A



4. First Aid Measures

Contact with Skin	Wash off the skin using plenty of water.
Contact with Eyes	Hold eyelids apart and irrigate for a minimum of 10 minutes.
Inhalation	Remove affected person to fresh air and rest.
Ingestion	Rinse all the powder from the mouth with water and give affected person plenty of water to drink. Seek medical advice.

5. Fire Fighting Measures

The product is a fire extinguishing agent. No special precautions are required.

6. Accidental Release Measures

Use a vacuum cleaner to reduce dust formation and remove to sealed bags or containers for disposal in accordance with local Controlled Waste Regulations.

7. Handling & Storage

Handling	Use local mechanical exhaust ventilation and suitable containment methods. Keep personnel exposure to a minimum.
Storage	Keep the product in a cool dry place away from vibration to minimise compaction of the product.

8. Personal Protection & Exposure Controls

Personal Protection	
Eye Protection	Wear suitable dust-proof goggles
Respiratory Protection	Use suitable dust mask or respirator Keep exposure below OES
Skin/General Protection	Wear overalls and gloves suited to the task
Exposure Standards (UK)	
OES	10mg/m ³ total dust: 5mg/m ³ resp. dust
	Time-weighted averages: 8 hours
Nuisance Dust Limit	OSHA TWA: 15mg/m ³
	ACGIH TLV-TWA 10mg/m ³

Neither this preparation nor the substances contained in it have been listed as carcinogenic by National Toxicology Program I.A.R.C. or OSHA.

9. Physical & Chemical Properties

Appearance	Yellow solid powder
Odour	None
Boiling Point	Not applicable
Flash Point	Non-flammable
Autoignition	Non-flammable
pH	4.5 as 1% solution in water
Explosive Properties	None
Solubility in Water	38g/100ml
Density at 20°C (kg/m ³)	1050 ±10
Oxidising Properties	Not an oxidiser



Vapour Pressure
Relative Density

Not applicable
Not applicable

10. Stability & Reactivity

Stability

Stable

Conditions to avoid

Damp powder becomes hard and is not suitable for firefighting purposes

Hazardous decomposition products

Normally stable.

Hazardous polymerization will not occur

Materials to avoid

Will react to alkalis and give off ammonia

11. Toxicological Information

Test Data

Product has not been tested for toxicological effects. Product is treated as a nuisance dust.

Components:

Ammonium dihydrogen phosphate

Ammonium sulphate

Exposure Hazards:

Skin Contact

Mild irritant only

Ingestion

Non-harmful

Eye Contact

Dust can cause irritation and discomfort

Inhalation

Lung function impairment if inhaled over a long period of time

12. Ecological Information

Ecotoxicity

No data available

Biodegradability

Not relevant

Mobility

Not relevant

Bio accumulative Potential

Not determined

Other Adverse Effects

Ozone depletion potential

None

Photochemical ozone creation potential

None

Global warming potential

None

13. Disposal Considerations

Do not dispose with alkalis. Waste to be disposed of in accordance with local Controlled Waste Regulations.

14. Transport Information

Substance ID No.

None

Correct Shipping Name

Not applicable

Land Transport

Not classified

Marine Transport

Not classified

Air Transport

Not classified

15. Regulatory Information

EC Classification

Harmful

Hazard Symbol

Xi

R-Phrases

22 Harmful if swallowed

36/37/38 Irritating to eyes, rinse immediately with water and seek medical help



S-Phrases

26 In case of contact with eyes, rinse immediately with water and seek medical help

36 Wear suitable protective clothing

16. Other Information

This product should not be used for purposes other than fire-fighting without obtaining written authorisation from the supplier named in paragraph 1. It is the user's responsibility to maintain compliance with all relevant, current legislation when using, transporting, storing, and handling this product. HSE publications EH40 and EH44 apply.