

# Bath Potters' Supplies

## MATERIAL SAFETY DATA SHEET

### 1. Identification of the preparation/Supplier reference

Trade Name	<b>Alumina Hydrate - 231011</b>
Chemical name	Aluminium Hydroxide.
Synonyms	Aluminium Trihydrate.
Supplier	Bath Potters' Supplies, 2 Dorset Close, Bath, BA2 3RF
Emergency numbers	01225 337046

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### 2. Composition

Component	CAS	EINECS	% of composition
Aluminium hydroxide Al(OH) <sub>3</sub>	21645-51-2	2444927	>98

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### 3. Health Hazard Identification

Inhalation	Excessive exposure may cause symptoms of chronic lung disease.
Ingestion	Product of low solubility in body fluids and likely to be of low acute toxicity.
Eyes	May cause physical irritation and inflammation.
Skin	Not a primary irritant. Any abrasive powder may give minor irritation.

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### 4. First Aid Measures

Inhalation	Remove patient to fresh air, loosen tight clothing and seek medical attention.
Ingestion	Do not induce vomiting, seek medical advice.
Eyes	Wash immediately with copious amounts of water. Seek medical attention if irritation persists.
Skin	Wash affected areas with water. If irritation persists, seek medical attention

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### 5. Fire Fighting Measures

Extinguishing Media	Suitable for surrounding fire conditions. The product is not explosive or combustible. Standard fire fighting techniques only are required, i.e. water, sand, carbon dioxide, chemical foam extinguishers etc.
Special Exposure hazard	None.
Protective equipment	None other than required for surrounding fire conditions.

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### 6. Accidental Release Measures

Leaks & Spills	Remove dry materials either by a vacuum cleaner fitted with an efficient particulate filter or by damping down and scooping in to a receptacle.
Protective equipment	Respiratory protective equipment.

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### 7. Handling & Storage

Handling	Do not eat, drink, or smoke in areas where the material is used. Wash thoroughly after handling the material Local exhaust ventilation is recommended to comply with occupational exposure limits (refer to Guidance Note EH40 - latest edition)
Storage	Store in dry area

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## 8. Exposure Control/Personal protective Equipment

Engineering controls	Adequate ventilation should be provided so that Occupational Exposure Limits are not exceeded. Local Exhaust Ventilation is recommended
Personal protective equipment	Where LEV is not practicable and exposure is likely to be excessive, approved respiratory protection to CEN standards prEN 140, 141, 143 or 149 should be worn. Protective gloves and overalls are recommended for prolonged contact.

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## 9. Physical & Chemical properties

Appearance & Odour	White powder, odourless
Flash point (°C)	Not applicable
Flammability	Not applicable
Explosive properties	Non-explosive
Oxidising properties	None
Specific gravity	About 2 ½.
pH value	7 (Insoluble in water)
Melting point (°C)	Loses water above 200 degrees C

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## 10. Stability & Reactivity

Chemical stability	The material is stable
Conditions/materials to avoid	None known
Hazardous decomposition products	None known
Hazardous polymerisation products	None

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## 11. Toxicology Information

Acute toxicology	LD <sub>50</sub> Oral	>2000 mg/kg
	LD <sub>50</sub> Dermal	Not known
	LD <sub>50</sub> Inhalation	Not known
Health effects	Prolonged or repeated exposure above Occupational Exposure Standards may cause fibrosis of the lungs.	

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## 12. Ecological information

Ecotoxicity	Not known.
Persistence	Not known.

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## 13. Disposal

Dispose in accordance with current waste Disposal regulations (for UK - Control of Pollution (Special Waste) Regulations 1996). Landfill is the most appropriate method.

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## 14. Transport Information

UN/SI No.	Not classified
UN Class	Not classified
Packing group	Not classified
Road	UK
ADR	Not classified
Sea	IMO
Air	ICAO

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## 15. Regulatory information

EC Supply Labelling	None required by directive 88/379/EEC and subsequent amendments.	
R-Phrases	None.	
S-Phrases	Optional for dusty powders:	
	S20/21	When using do not eat, drink or smoke.
	S38	In case of insufficient ventilation wear suitable respiratory equipment.
UK Occupational exposures limits*	Mg/m <sup>3</sup> 8 hr TWA	% in product
Dusts: Total inhalable	10	
respirable	5	

\* refer to HSE Guidance note EH40

In accordance with the H.S.E. Approved Code of Practice for CHIP, the recipient is reminded of their obligations under both the Health and Safety at Work Act (HSWA) and the Control of Substances Hazardous to Health Regulations (COSHH), and that the information in any safety data sheet does not constitute the user's assessment of workplace risk.

## 16. Other information

General industrial hygiene practices are recommended when handling and using this product.

COSHH ACOP:	H.S.C. Approved Code of Practice for the Control of Substances Hazardous to Health Regulations 1994.
CHIP 96:	Chemicals (Hazard Information and Packaging for Supply) Regulations 1996.
CHIP SDS ACOP:	H.S.C. Approved Code of Practice for Safety Data Sheets in accordance with regulation 6 of the CHIP regulations.
HSE EH40:	HSE Guidance note EH40 on Occupational Exposure Limits, to be used in conjunction with the COSHH regulations.

The information contained in this safety data sheet has been prepared using the best available information. However, in view of technical developments this may alter.

The material must only be used for its stated purpose and the information contained within this data sheet is offered solely for use in the evaluation of this product in respect of safety, health and environmental hazards.

Due to the many factors outside our control when using this product we cannot accept liability for any injury, accident, loss or damage caused through its use.

April 1999-09-07