

Material Safety Data Sheet

BA10

Alumina Calcined 100

**Feeneys
Clay**



Cesco
Glazes & Colours

| | |
|------------------------|---|
| Company Details | Walker Ceramics 2/21 Research Drive, Croydon South, Victoria 3136, Australia Telephone (03) 8761 6322 Fax (03) 8761 6344 Email sales@walkerceramics.com.au Website www.walkerceramics.com.au Date Of Issue: April 2014 |
|------------------------|---|

| IDENTIFICATION | |
|---|-------------------------------|
| Product Name | Alumina Calcined 100 Mesh |
| Other Names | None |
| Manufacturers Product Code | BA10 |
| UN Number | None |
| Dangerous Goods Class & Subsidiary Code | None |
| Hazchem Code | None |
| Poisons Schedule Number | None |
| Use(s) | Used in ceramics and pottery. |

| PHYSICAL DESCRIPTION / PROPERTIES | |
|-----------------------------------|--|
| Appearance | Fine odourless white powder. |
| Boiling Point / Melting Point | >300°C |
| Vapour Pressure | Not applicable |
| Specific Gravity | 2.5 |
| Flashpoint | Not applicable |
| Flammability Limits | Not applicable |
| Solubility in Water | Insoluble in water but forms a gel on prolonged contact. |
| Other Properties | |

| INGREDIENTS | | |
|----------------------------|------------|----------------|
| Chemical Name | CAS Number | Proportion (%) |
| Aluminium Oxide | 1344-28-1 | 98 |
| Aluminosilicate impurities | none | <1 |
| Moisture | none | <1 |

| HEALTH HAZARD INFORMATION | |
|---------------------------|--|
| Acute | |
| Swallowed | This material is non-harmful if swallowed. |
| Eye | The dust may produce eye discomfort and abrasive eye inflammation. |
| Skin | This product is mildly discomforting and abrasive to the skin; may cause dryness |
| Inhaled | This product as dust may be discomforting and harmful from repeated exposure over long periods. |
| Chronic | The principle route of exposure is via inhalation. Prolonged exposure to the skin may lead to drying, cracking, irritation or possible dermatitis. |

| FIRST AID | |
|-------------------------|--|
| Swallowed | DO NOT INDUCE VOMITING. If conscious, give water or milk to rinse out mouth and then drink. Provide liquid slowly but as much as the patient will drink. Transport to hospital without delay. |
| Eye | Immediately hold eyes open and wash continuously with running water for at least 15 minutes. Ensure irrigation includes under eyelids. TRAINED STAFF ONLY ARE TO ATTEMPT THE REMOVAL OF CONTACT LENSES. Seek medical attention without delay. |
| Skin | Wash affected areas thoroughly with soap and water if available. Seek medical attention in the event of irritation. |
| Inhaled | If fumes or combustion products are inhaled: Remove to fresh air. Encourage the patient to clear nasal passages by blowing nose. Rinse mouth with water and consider drinking to clear throat. Seek medical attention. If breathing has stopped, ensure the airway is clear and apply resuscitation. Transport to hospital or doctor. |
| Advice To Doctor | <p>Manifestation of aluminium toxicity includes hypercalcaemia, anaemia, vitamin A refractory osteodystrophy and a progressive encephalopathy (mixed dysarthria-apraxia of speech, asterix, tremulousness, myoclonus, dementia and focal seizures). Bone pain, pathological fractures and proximal myopathy can occur.</p> <p>Symptoms usually develop insidiously over months to years (in chronic renal failure patients) unless dietary aluminium loads are excessive.</p> <p>Serum aluminium levels above 60 ug/ml indicate increased absorption. Potential toxicity occurs above 100 ug/ml and clinical symptoms are present when levels exceed 200 ug/ml.</p> <p>Deferoxamine has been used to treat dialysis encephalopathy and osteomalacia. CaNa₂ EDTA is less effective in chelating aluminium.</p> |

| PRECAUTIONS FOR USE | |
|----------------------|--|
| Exposure Standards | Aluminium Oxide TLV TWA 10.0 mg/m ³ as dust ACGIH = American Conference of Governmental Industrial Hygienists. TWA = Time Weighted Average NOHSC =National Health & Safety Commission |
| Engineering Controls | Ensure workplace is well ventilated. |
| Personal Protection | Approved respirator to AS1715 to be worn, gloves, safety glasses and protective overalls. Wash hands and face thoroughly after handling and before work breaks, eating, drinking, smoking and using toilet facilities. |
| Flammability | Not flammable under the conditions of use but the containers may burn. |

| SAFE HANDLING INFORMATION | |
|---------------------------|--|
| Storage & Transport | Store and transport in accordance with all regulations. Keep tightly closed in a dry, cool and well-ventilated place. Not subject to hazardous substances labelling. |
| Spills & Disposal | Dispose of in accordance with all Local, State and Federal regulations by incineration or disposal to landfill. |
| Fire / Explosion Hazard | Fire-fighters should wear full protective clothing including self-contained breathing apparatus. Use water, foam or dry extinguishing media. Use equipment/media appropriate to surrounding fire conditions. Dispose of fire debris and contaminated extinguishing water in accordance with local regulations. |

| OTHER INFORMATION | |
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| <u>AUSTRALIAN POISONS INFORMATION CENTRE</u> 24 HOUR SERVICE 13 11 26 POLICE / FIRE / AMBULANCE 000 | |

| CONTACT POINT | |
|---|--|
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This MSDS summarises, at the date of issue, our best knowledge of the health & safety hazard information for this product, and in particular how to safely handle and use this product in the workplace. Since Walker Ceramics and its agents cannot anticipate or control the conditions under which this product may be used, each user must prior to usage, review this MSDS in the context of how the user intends to handle and use this product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact us.

Our responsibility for products sold, is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.