



AALBORG WHITE®

AALBORG WHITE ASIA SDN BHD  
Lot 75244, Pinji Estate, Lahat,  
P.O. Box 428, 30750 Ipoh,  
Perak,  
Malaysia.

CHEMICAL SAFETY DATA SHEET

Bricklayers® Cement

Total pages 3

**1. Identification of substance/ preparation and of company/ undertaking**

Product name : Bricklayers® Cement  
Appearance : Finely divided white powder with no odour. Hardens after reaction with water.

**Manufacturer/ supplier identification**

Company : AALBORG WHITE ASIA SDN BHD  
Contact No. : Phone: 05 3218988 Fax: 05 3222522  
E-mail: aalborg@aalborgwhite.com.my  
Contact Person : Mr. Fua Jin Hoe

**Local (Australia) contact details**

Company : AALBORG WHITE CEMENT (AUST) PTY. LTD.  
Contact No. : Phone: 1300 550 651 Fax: 1300 550 652  
E-mail: aalborg@aalborgwhite.com.au  
Contact Person : Mr. Glenn Bear

**2. Composition/ information on ingredients**

Complex silicate/ oxide mixture typically  
Tricalcium silicate : 30 - 50%  
Dicalcium silicate : 10 - 20%  
Tricalcium aluminate : 7 - 12%  
Tetracalcium aluminoferrite : 0.1 - 1.0%  
Gypsum : 3 - 6%  
Calcium carbonate : 17 - 25%  
Particle Size : 45µm - 90µm  
CAS Number : 65997 - 15 - 1

**3. Hazards identification**

**CLASSIFICATION:** Classified as Hazardous according to NOHSC Criteria.

Bricklayers® cement is a nuisance dust and an irritant to the skin, eyes and mucous membranes and is not considered a dangerous substance according to directive 67/548/EEC, point 4. When mixed with water (making concrete, mortar or when damp) a strong alkaline solution is produced. Contact with eyes or skin may cause serious burns and ulceration.

**4. First aid measures**

Skin Contact : Remove contaminated shoes and clothing. Rinse affected area with large amounts of water followed by washing the area with soap and water. Contact medical attention if necessary.  
Eye Contact : Immediately flush eyes, including under eyelids, with copious amounts of water until victim is transported to an emergency medical facility. Contact a Physician immediately.

- Inhalation : Move the victim to fresh air. If breathing is difficult give oxygen: if victim is not breathing, give artificial respiration. Contact medical attention if necessary.
- Ingestion : Never give anything by mouth to an unconscious or convulsing person. If ingested, have the conscious victim drink 4-8 oz of milk or water. Contact a physician immediately.
- 5. Fire-fighting measures**  
Not applicable, Non-combustible material.
- 6. Accidental release measures**
- Notify safety personnel of large leaks.
  - Provide adequate ventilation.
  - Clean up personnel must be protected against dust inhalation and direct contact with the wet Bricklayers<sup>®</sup> cement.
  - Avoid creating airborne dust conditions. Clean up methods such as vacuuming with an appropriate filter or wet mopping minimizes dust dispersion.
  - Carefully scoop up spilled dry material into a suitable container (with secure lid) for disposal or reclamation.
- 7. Handling and storage**
- Handling : Avoid moisture.  
Storage : Dry and well ventilated area  
Storage temperature : No restriction.
- 8. Exposure control/personal protection**
- Respiratory protection : Required (dust masks in well ventilated areas, half-face or full face respirators in enclosed areas).  
Eye protection : Required (protective eyeglass & goggles).  
Hand protection : Required (wear other protective clothing such as gloves, boots and apron).
- 9. Physical and chemical properties**
- Form : Powder.  
Colour : White.  
Odour : Odourless.  
pH : 12 (wet cement).  
Solubility : Not soluble.  
Flammability : Non-flammable.  
Specific gravity : 3.0-3.3
- 10. Stability and reactivity**
- Conditions to be avoided : Water.  
Chemicals to be avoided : Acids & strong oxidising agents.  
Hazardous decomposition products : In the event of acid only.  
Further information : Hygroscopic and absorbs carbon dioxide.

**11. Toxicological information**

- 8 hrs. TWA-PEL : 10 mg/m<sup>3</sup> (total dust).
- 8 hrs. TWA-PEL : 5 mg/m<sup>3</sup> (respirable fraction).
- ACGIH TLV-TWA : 10 mg/m<sup>3</sup> (nuisance dust).
- LD50 (oral, rat) : 1000 mg/kg (anhydrous substance).

Short term effects

- A. Eye contact : Bricklayers<sup>®</sup> cement is a severe eye irritant and brief exposure will cause some soreness. Gross exposure or untreated mild exposures will likely lead to chemical burning and ulceration of the eye.
- B. Skin : Bricklayers<sup>®</sup> cement powder or any mortar mixture may cause irritant contact dermatitis, allergic dermatitis and / or burns.
- C. Ingestion : If small amounts of Bricklayers<sup>®</sup> cement are swallowed it is unlikely to cause any significant reaction. Larger doses may cause irritation of the gastro-intestinal tract.
- D. Inhalation : Bricklayers<sup>®</sup> cement powder may cause inflammation of the mucous membranes.

Chronic effects

High repeated exposures in excess of Occupational Exposure Limits have been linked with rhinitis and coughing. Skin exposure has been linked to allergic (chromium) dermatitis. Allergic dermatitis more commonly arises through contact with Bricklayers<sup>®</sup> cement / water mixtures rather than dry Bricklayers<sup>®</sup> cement.

**12. Ecological information**

When in contact with water Bricklayers<sup>®</sup> cements will cause the pH to rise and give a sufficient increase may be toxic to aquatic live in these circumstances.

**13. Disposal considerations**

We recommend that you contact either the local authorities in charge or approved waste disposal companies.

**14. Transport information**

Transportation should comply with Transport Department regulations.

**15. Regulatory information**

Labeling according Occupational Safety and Health (CPL of hazardous chemicals 1997) and Occupational Safety and Health (chemicals hazardous to health 2000) - IRRITANT.

**16. Other information**

Date of issue:	03 Oct 2007
The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to appropriate safety precautions. It does not represent a guarantee of the properties of the product.	