TRADEASIA INTERNATIONAL PTE LTD
133 Cecil Street # 12-03 Keck Seng Tower, Singapore 069535,
Republic Of Singapore
Tel. +65 6227 6365 - **Fax**. +65 6225 6286
www.tradeasia.com

Material Safety Data Sheet
White Cement MSDS

Section 1: Chemical Product and Company Identification

Product Name : White Cement
Chemical Formula : Not available
Company Identification : Tradeasia International Pte Ltd
Email : contact@chemtradeasia.com

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS#	% by Weight
Tri Calcium Silicate	71396-54-8	42 – 70
Di Calcium Silicate	57138-11-1	15 – 30
Tri Calcium Aluminate	12042-78-3	1 – 13
Tetra Calcium Alumino Ferrite	12042-82-9	1 – 15
Magnesium Oxide	1309-48-4	0.1 – 2.0
Calcium Oxide	1305-78-8	0 – 3
Sodium Salts	10010-67-0	0.1 – 0.7
Potassium Salts	148819-94-7	0.1 – 1.0
Gypsum	13397-24-5	4 – 7
Ground Granulated Blast Furnace Slag	65997-69-2	0 – 65

Section 3: Hazards Identification

Hazard Classification: Classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001
HSNO Approval Number: Classified under the group standard: Construction Products (toxic [6.7A]) Group Standard 2006
HSNO Approval Number: HSR002545
Hazard classification:
6.1 E Acutely toxic
6.3A Skin irritant
6.5A Respiratory sensitiser
6.5B Contact sensitiser
6.7A Carcinogenic
6.9B Target organ toxicant
8.3A Eye corrosive

DANGER : May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause cancer. Causes serious eye damage
WARNING If medical advice is needed have product container or label at hand
Keep out of reach of children and read label before use.
May be harmful if inhaled and cause respiratory irritation
Causes skin irritation including allergic skin irritations

Section 4: First Aid Measures

Necessary first aid measures:	If medical advice is needed, have the product container or label at hand.
Swallowed:	Rinse mouth. No NOT induce vomiting. Call the doctor / physician or poison centre
Eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing for at least 15 minutes. Keep patient calm. Immediately call the doctor or poison centre
Skin:	Remove contaminated clothing and wash skin with plenty of soap and water. Seek medical attention if irritation or rash develops If concerned, seek medical advice. Launder contaminated clothing before reuse
Inhaled:	Remove to fresh air. Do not induce vomiting. If breathing is difficult keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms, or feeling unwell, call the poison centre or doctor
Required instructions:	For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or contact a doctor
Workplace facilities:	Eye wash and safety shower facilities are recommended

Section 5: Fire Fighting Measures

Type of hazard:	Not classed as flammable
Fire hazard properties:	Non flammable. No fire or explosion hazard exists
Regulatory requirements:	Not applicable
Extinguishing media and methods:	Not applicable
Hazchem code for fire:	Not applicable
Recommended protective clothing:	Not applicable

Section 6: Accidental Release Measures

Emergency procedures:	**If spilt (bulk) contact emergency services if applicable.** **Wear dust proof goggles, PVC / rubber gloves, a Class P1 (Particulate) Respirator (where an inhalation risk exists), coveralls and rubber boots.** **Prevent spill from entering drains or waterways.** **Collect and place in sealable containers for disposal.** **Avoid generating dust**

Section 7: Handling and Storage

Precautions for safe handling:	Obtain special instructions and read Safety Data Sheet before use.

	Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wear protective gloves, eye and face protection. Use only in a well ventilated area.
Regulatory requirements:	Approved handlers and tracking not required. Corrosive signage where quantities greater than 2 000kg are present. Emergency response plans for toxic response are required where quantities greater than 2 000kg are present. Corrosive emergency response plans are required when holding more than 20 000kg.
Handling practices:	Avoid contact with eyes and wear eye protection. Keep containers adequately sealed during material transfer, transport, or when not in use. Use safe work practices to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas (e.g. if container is damaged). Wash exposed skin thoroughly after handling
Conditions for safe storage:	Ensure packages are adequately labelled, protected from physical damage and sealed when not in use.
Store site requirements:	Store in a cool, dry, well-ventilated areas, away from moisture, oxidising agents (e.g. hydrogen fluoride, phosphorus oxide), acids, ethanol, interhalogens (e.g. chlorine trifluoride) and foodstuffs
Packaging:	Ensure packages are labelled, protected from physical damage and sealed when not in use.

Section 8: Exposure Controls/Personal Protection

Workplace exposure standards:	Lime (1305–78–8) TWA 2 mg/m3 Silica, crystalline – quartz (14808-60-7) TWA 10 mg/m3 Aluminium oxide (1344-28-1) TWA 10 mg/m3 (note: the value is for inspirable dust containing no asbestos and less than 1% free silica) Ferric oxide (1309-37-1) TWA 5 mg/m3 Sodium oxide (1313-59-3) data not available Hexavalent chromium (Cr(VI)) (18540-29-9) TWA 0.05 mg/m3
Application in the workplace:	Use with adequate natural ventilation. Where dust inhalation hazard exists, mechanical extraction ventilation is recommended
Exposure standards outside the workplace:	No TEEL or EEL is set for this substance at this time
Engineering controls:	Where possible ventilation should be used (with suitable dust trap or filter) to maintain the environment below the workplace exposure standard

Section 9: Physical and Chemical Properties

Appearance:	Loose material consisting of sand and cement
pH:	11 – 13
Melting point:	>1 200 °C
Vapour pressure:	Not known
Solubility:	< 10g/L

Section 10: Stability and Reactivity Data

Stability of the product:	**Stable**
Conditions to avoid:	**Water contact may increase the product temperature 2-3 °C**
Material to avoid:	**Wet cement dust is alkaline. It is incompatible with oxidizing agents (e.g. hypochlorites), ethanol, acids (e.g. hydrofluoric acid) and interhalogens (e.g. chlorine trifluoride)**
Hazardous decomposition products:	**May evolve toxic gases if heated to decomposition**

Section 11: Toxicological Information

Summary	Corrosive. Avoid eye and skin contact or dust inhalation. This product has the potential to cause acute and chronic health effects with over exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a serious harm disease which can lead to fatal lung disease.
Eye	Corrosive. Severe irritant upon contact with powder / dust. Over exposure may result in pain, redness, corneal burns and ulceration with possible permanent damage
Inhalation	Corrosive. Over exposure may result in severe mucous membrane irritation and bronchitis. Hexavalent chromium is reported to cause respiratory sensitization, however due to the trace amounts present a hazard is not anticipated under normal conditions of use.
Ingestion	Corrosive. Ingestion may result in burns to the mouth and throat, with vomiting and abdominal pain. Due to product form, ingestion is not considered a likely exposure route
Skin	Corrosive. Prolonged and repeated contact with powder or wetted form may result in skin rash, dermatitis sensitisation.
TEL	No TEL is set for this substance at this time

Section 12: Ecological Information

Aquatic	Not classified as an aquatic ecotoxic under the Hazardous Substances and New Organisms Act
Soil	Not classified as an soil ecotoxic under the Hazardous Substances and New Organisms Act
Terrestrial vertebrates	Not classified as toxic to terrestrial vertebrates under the Hazardous Substances and New Organisms Act
Terrestrial invertebrates	Not classified as toxic to terrestrial invertebrates under the Hazardous Substances and New Organisms Act

EEL No EEL is set for this substance at this time

Section 13: Disposal Considerations

Disposal information Reuse or recycle where possible. Alternatively, ensure product is covered with moist soil to prevent dust generation and dispose of to an approved landfill site

Section 14: Transport Information

Relevant information: None
Other requirements : Not regulated for transport purposes

Section 15: Other Regulatory Information

Regulatory status: ERMA Approval code : HSR002545 - Group standard For Construction Products (toxic [6.7A]) Group Standard 2006. For full listing of controls see www.ermanz.govt.nz

Section 16: Other Information

References: Not available.
Other Special Considerations: Not available.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Tradeasia International Pte. Ltd. Be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Tradeasia International Pte. Ltd. has been advised of the possibility of such damages.