



SAFETY DATA SHEET FOR

GEO LUXE

SECTION 1

IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

■ 1.1 PRODUCT IDENTIFIER

Trade name : Geoluxe

■ 1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE AND USE ADVISED AGAINST

1.2.1 Identified uses : Construction Material

■ 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

The Siam Cement Group
1 Siam Cement Road, Bangsue, Bangkok 10800 Thailand
E-mail: geoluxe@scg.co.th

■ 1.4 EMERGENCY TELEPHONE NUMBER

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SECTION 2

HAZARDS IDENTIFICATION

■ 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

2.1.1 Classification according to Directive 67/548/CEE or Directive 1999/45/CE : Not applicable.

2.1.2 The most important adverse physicochemical effect:

2.1.2.1 The most important adverse physicochemical effects : Not applicable.

2.1.2.2 The most important adverse human health effects : Harmful if inhaled. The dry cutting and/or polishing of Geoluxe can produce respirable airborne crystalline silica.

2.1.2.3 The most important adverse environmental effects : Not applicable.

■ 2.2 LABEL ELEMENTS

Not applicable.

SECTION 3

COMPOSITION / INFORMATION ON INGREDIENTS

■ **SUBSTANCE / MIXTURE** : Mixture

■ **INGREDIENTS** :

SUBSTANCE NAME	CAS#	EINECS#	% by weight	REACH N°
Crystalline silica : quartz	14808-60-7	238-878-4	7-25	-

■ **ADDITIONAL INFORMATION** :

According to information provided, the testing of the product has not detected cristobalite, which are the more siliceous and dangerous varieties.

SECTION 4

FIRST AID MEASURES

■ **4.1 DESCRIPTION OF FIRST AID MEASURES**

- 4.1.1 In case of inhalation : Remove to fresh air; consult a doctor in case of complaints.
- 4.1.2 In case of skin contact : In general, the product does not irritate the skin. Dust can be rinse off with water. (Consult a doctor if irritation persists.)
- 4.1.3 In case of eye contact : Rinse eyes with plenty of water for several minutes
- 4.1.4 In case of ingestion : Contact a doctor if complaints persist.

■ **4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED** :

No further relevant information available.

■ **4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED** :

No further relevant information available.

SECTION 5

FIRE - FIGHTING MEASURES

■ 5.1 EXTINGUISHING MEDIA :

Suitable extinguishing media: Product is not flammable. Extinguishing agent should be selected according to the environment.

■ 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE :

No further information available.

■ 5.3 ADVICE FOR FIRE FIGHTERS :

No special measures required.

SECTION 6

ACCIDENTAL RELEASE MEASURES

■ 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES :

Avoid creating dust wherever possible

■ 6.2 ENVIRONMENTAL PRECAUTIONS :

No special measure required.

■ 6.3 METHODS FOR CONTAINMENT AND CLEANING UP :

Moisten the spilled material and pick up mechanically.

■ 6.4 REFERENCE TO OTHER SECTIONS :

Refer to section 7 for information on safe handling.

Refer to section 8 for information on personal protective equipment.

Refer to section 13 for disposal information.

SECTION 7 HANDLING AND STORAGE

■ 7.1 PRECAUTION FOR SAFE HANDLING :

7.1.1 Protective measures:

Avoid creating airborne dust while working with Geoluxe. Install a suitable dust evacuation system or provide adequate respiratory protection for the workers.

Wear appropriate protective clothing while working with Geoluxe. (E.g. goggles, gloves)

7.1.2 Advice on general occupational hygiene:

Do not eat, drink or smoke when working with Geoluxe. Wash hands thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating area.

■ 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES :

Storage in dry place is recommended.

■ 7.3 SPECIFIC USE(S) :

Not available.

SECTION 8 EXPOSURE CONTROL / PERSONAL PROTECTION

■ 8.1 CONTROL PARAMETERS :

Dust created from polishing and/or cutting may contain respirable airborne crystalline silica

EINECS#	CAS#	SUBSTANCE NAME	OSHA PERMISSIBLE EXPOSURE LIMIT (PEL) - GENERAL INDUSTRY	(ACGIH) Threshold Limit Value (TLV)
238-878-4	14808-60-7	Crystalline Silica: Quartz	10 mg/m ³ %SiO ₂ +2	0.025 mg/m ³
Particles (Insoluble or low solubility to water) not otherwise specified: Inhalable fraction			-	-

■ **8.2 EXPOSURE CONTROLS :**

8.2.1 Appropriate engineering controls:

Use adequate ventilation to keep airborne concentrations low. Always provide effective general and, when necessary, local exhaust ventilation to draw dust away from workers to prevent routine inhalation. Ventilation must be adequate to maintain the ambient workplace atmosphere below the permissible exposure limits.

8.2.2 Individual protection measure, such as personal protective equipment:

Eye/face protection : Eye protection (e.g., goggles) suitable for keeping dust out of the eyes.

Hand protection : Protective gloves.

Body protection : Protective clothing with elasticated cuffs and closed neck. Boots made of PVC.

Respiratory protection : Respiratory protective devices according to EN 149:2001 and EN 143/AC Revision: 2002 and EN 143/AC: 2005

8.2.3 Environmental exposure controls : Avoid discharge into the environment.

SECTION 9 PHYSICAL AND CHEMICAL

IMPORTANT: The data presented in this section is to categorise the respirable crystalline silica which is present in the dust created by polishing and/or cutting Geoluxe. It is not applicable to Geoluxe itself.

■ **APPEARANCE :**

Colour :	Various Colour
Odour :	Not Applicable.
Odour threshold :	Not Applicable.
pH :	Not Available.
Melting point/range (°C) :	Not Available.
Boiling point/range (°C) :	Not Available.
Flash point (°C) :	Not Available.
Flammability (solid,gas) :	Not Available.
Ignition temperature (°C) :	Not Available.
Upper/lower flammability/explosive limits :	Not Available.
Specific Weight :	2.425 g/cm ³
Water solubility (g/l) at 20°C :	Insoluble
Other information :	-

SECTION 10 STABILITY AND REACTIVITY

- **10.1 REACTIVITY** : Not applicable.
- **10.2 CHEMICAL STABILITY** : Not applicable.
- **10.3 POSSIBILITY OF HAZARDOUS REACTIONS** : No hazardous reactions will occur.
- **10.4 CONDITIONS TO AVOID** : Creation of dust.
- **10.5 INCOMPATIBLE MATERIALS** : No further relevant information available.
- **10.6 HAZARDOUS DECOMPOSITION PRODUCTS** : No dangerous decomposition products known.

SECTION 11 TOXICOLOGICAL INFORMATION

■ **11.1 INFORMATION ON TOXICOLOGICAL EFFECTS** :

No further relevant information available.

Skin irritation:	No effect.
Eye irritation:	No effect.
Skin sensitization:	No effect.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity :	No data available.
Persistence and degradability :	No data available.
Bioaccumulative potential :	No data available.
Results of PBT & vPvB assessment :	Not applicable.
Other adverse effects :	No data available.

SECTION 13

DISPOSAL CONSIDERATIONS

■ **WASTE TREATMENT METHOD :**

Dispose of unused materials (incineration or landfill) in accordance with national and local regulations. Ensure the use of properly authorized waste management companies, where appropriate.

SECTION 14

DISPOSAL CONSIDERATIONS

■ **LAND TRANSPORT**

ADR/RID Class : -

■ **MARITIME TRANSPORT**

IMDG Class : -

Marine pollutant : no

■ **AIR TRANSPORT**

ICAO/IATA Class : -

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable

SECTION 15

REGULATORY INFORMATION

■ **CHEMICAL SAFETY ASSESSMENT :**

A chemical safety assessment has not been carried out.

SECTION 16

OTHER INFORMATION

Revision date 14/07/2016



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