

CTM POTTERS SUPPLIES

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information:

Product Name	: China Clay Grolleg
Application	: A raw material for the ceramic industry, generally used for tableware production.
Company	: CTM Potters Supplies Unit 10A, Millpark Industrial Estate White Cross Road Woodbury Salterton Nr. Exeter EX5 1EL
Telephone	: 01395-233-077
Fax	: 01395-233-905

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS Number	EC Number	Content	Classification
Kaolin	1332-58-7	310-127-6	-	-
Quartz	14808-60-7	238-878-4	<1%	-

- The full texts for all R-Phrases are displayed in Section 16.

Composition Comments

Natural Dry China Clay. China Clay (also known as Kaolin) is a natural material that consists of variable proportions of various materials, including kaolinite, mica and quartz. IMERY'S China Clay products consist primarily of kaolinite with minor amounts of other natural minerals. A proportion of the quartz may become available in the irrespirable fraction. The level of exposure to respirable silica will depend on the actions performed on the product during handling and use. Exposure levels should, therefore, be measured during use, in comparison to relevant occupational exposure limits, as exposure cannot be determined from bulk product analysis.

3. HAZARD IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

Physical and Chemical Hazards

Wet substance spillage can constitute a slipping hazard.

Human Health

Long-term exposure to any respirable mineral dust could cause effects in the respiratory system. Airborne dust may cause irritation to the eyes. In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However it pointed out that not all industrial circumstances, nor all crystalline silica types, were to be incriminated. (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans. Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.) In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL Sum Doc 94-final, June 2003). There is a body of evidence supporting the fact that increased cancer risk would not be limited to people already suffering from silicosis. According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits.

4. FIRST AID MEASURES

General Recommendations:

Inhalation: Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

Ingestion:	Rinse mouth thoroughly. Get medical attention if any discomfort continues.
Skin:	Wash skin with soap and water.
Eyes:	Rinse with water. Contact physician if discomfort continues.

5. FIRE-FIGHTING MEASURES

Extinguishing media:	The product is non-combustible. Use fire-extinguishing media appropriate for surrounding Materials.
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6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear protective clothing as described in Section 8 of this safety data sheet.
Environmental precautions:	Avoid discharge into drains, water courses or onto the ground.
Spill clean up methods:	Collect spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like.

7. HANDLING AND STORAGE

Handling:	Avoid handling which leads to dust formation.
Storage:	Store in a dry covered area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Name</u>	<u>Std</u>	<u>LT – mg/m3</u>
Kaolin	WEL	2.0 mg/m3 resp. dust
Quartz:	WEL	0.1 mg/m3 resp. dust

Ingredient Comments: WEL = Workplace Exposure Limits

Protective Equipment

Engineering measures:	Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of dust.
Respiratory equipment:	No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit.
Hand protection:	For prolonged or repeated skin contact use suitable protective gloves.
Eye protection:	Wear approved safety goggles. Contact lenses should not be worn when working with this product.
Hygiene measures:	Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. Wash at the end of each work shift and before eating, smoking and using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Granular or Powder
Colour:	White
Odour:	Almost odourless
Solubility:	Insoluble in water
Relative density:	2.6 at 20 ⁰ C

10. STABILITY AND REACTIVITY

Stability:	Stable under normal temperature conditions and recommended use.
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11. TOXICOLOGICAL INFORMATION

General information:	This product has low toxicity. Only large volumes may have adverse impact on human health.
Inhalation:	Dust may irritate respiratory system or lungs.
Ingestion:	No harmful effects expected in amounts likely to be ingested by accident.
Skin contact:	Prolonged contact may cause dryness of the skin.
Eye contact:	Particles in the eyes may cause irritation and smarting.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
	LC 50, 96 Hrs, FISH, mg/l >1000
	EC 50, 48 Hrs, DAPHNIA, mg/l >1000
	IC 50, 72 Hrs, ALGAE, mg/l >1000
Mobility:	The product is insoluble in water.
Bioaccumulation:	The product does not contain any substances expected to be bioaccumulating.
Degradability:	The product is not biodegradable.

13. DISPOSAL CONSIDERATIONS

General information:	This mineral can be disposed of as a non-toxic/inactive material in approved landfill sites in accordance with local regulations.
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14. TRANSPORT INFORMATION

General:	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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15. REGULATORY INFORMATION

Risk Phrases:	NC: Not classified.
Safety Phrases:	NC: Not classified.
UK Regulatory References:	Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 1988.
Statutory Instruments:	Chemicals (Hazard Information and Packaging) Regulations.
Approved Code of Practice:	Safety Data Sheets for Substances and Preparations Classification and Labelling of Substances and Preparations Dangerous for Supply
Guidance Notes:	Workplace Exposure Limits EH40

16. OTHER INFORMATION

Further information:

Data sheet producing department: CTM Potters Supplies
Telephone: 01395-233-077

Disclaimer:

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.