



SAFETY DATA SHEET

Molochite

1 IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND COMPANY/ UNDERTAKING

PRODUCT NAME Molochite
 SYNONYMS, TRADE NAMES Calcined China Clay, Calcined Kaolin
 APPLICATION A functional filler
 SUPPLIER Imerys Minerals Ltd
 Par Moor Road
 Pat, Cornwall
 England
 PL34 2BQ
 Tel: +44(0)1728 818000
 Fax: +44(0)1728 811200
 EMERGENCY TELEPHONE +44 (0) 1728 826600

2 COMPOSITION INFORMATION ON INGREDIENTS

Name	EC No.	CAS No.	Content	Classification
KAOLIN	310-127-6	1332-58-7		
QUARTZ	238-878-4	14808-80-7	<1%	

The Full Text for all R-Phrases are Displayed in Section 10

COMPOSITION COMMENTS

Dry Calcined China Clay. Calcined China Clay grades are formed by the calcination of naturally occurring china clay (also known as kaolin). Calcination causes the china clay to undergo a gradual phase change from natural china clay to metakaolin, then after fire to an amorphous defect spiral structure through to the final formation of mullite. The latter phase changes also give rise to amorphous silica rich components. A proportion of the quartz may become available in the respirable 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 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.
 During handling, particularly when air conveying, the product may exhibit charge accumulation properties.

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.

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION

Rinse mouth thoroughly. Get medical attention if any discomfort continues.

SKIN CONTACT

Wash skin with soap and water.

EYE CONTACT

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

Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Mix slurry with dry, inert, absorbent solid and collect for disposal.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid handling which leads to dust formation. No special precautions are required when handling slurries.

STORAGE PRECAUTIONS

Store in a dry covered area.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m ³	ST - ppm	ST - mg/m ³
KAOLIN	OES		2.0 mg/m ³ resp.dust		
QUARTZ	MEL		0.3 mg/m ³ resp.dust		

INGREDIENT COMMENTS

OES = Occupational Exposure Standard. MEL = Maximum Exposure Limit.

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate ventilation. Observe Occupational 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 Occupational 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

COLOUR	White
ODOUR	Almost odourless
SOLUBILITY	Insoluble in water

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

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.

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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 >100

EC 50, 48 Hrs, DAPHNIA, mg/l >1

IC 50, 72 Hrs, ALGAE, mg/l >100

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/inert material in approved landfill sites in accordance with local regulations.

14 TRANSPORT INFORMATION

GENERAL

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

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

Occupational Exposure Limits EH40.

16 OTHER INFORMATION

REVISION DATE 18/06/2004

REV. NO./REPL. SDS GENERATED 1

NC Not classified.

DISCLAIMER

The information contained in this Safety Data Sheet supersedes all previous such sheets and is based upon the Company's current knowledge at the date of preparation. It is given in good faith, without any warranty, expressed or implied, regarding its correctness or completeness. The conditions or methods of handling, storage, use or disposal of the product are beyond our knowledge.

It is the sole responsibility of the user to take all precautions required in handling the product.

The information contained in this Material Safety Data Sheet does not constitute an assessment of workplace risks.

