



Safety Data Sheet
(in compliance with REACH Title IV / Annex II
and ISO 11014 format)



1. Identification of the substance / preparation and of the company

1.1. Identification of the substance / preparation

Kaolin, calcined.

Registration number: Exempted according to Article 2 § (7)

Trade names: **MOLOCHITE**

Chemical name/synonyms: Calcined kaolin, calcined clay, chamotte, metakaolin, grog

1.2. Use of the substance / preparation

The substance is used in the manufacturing of:

- Ceramics (refractories, sanitaryware, tiles, tableware, enamels, glass, etc.)
- Fillers
- Building materials & cement
- Plastic & rubber
- Paint
- Adhesives & sealants
- Fertilisers and agricultural products

1.3. Company identification

Imerys Minerals Ltd
Par Moor Road
Par
Cornwall PL24 2SQ
United Kingdom

Phone N°: +44 1726 818000

Fax N°: +44 1726 811200

Competent person

Ms Virginie Soleil-Raynaut

E-mail: virginie.soleil@imerys.com

1.4. Emergency telephone

Emergency telephone number: +33 546 04 17 11 (not available outside office hours)

2. Hazards identification

Calcined kaolin does not meet the criteria for classification as dangerous as defined in Directive 67/548/EEC.

The product gives potential for generation of respirable dust during handling and use. Occupational exposure to respirable dust should be monitored and controlled.

3. Composition / information on ingredients

3.1. Chemical composition

Anhydrous aluminium silicate: $\text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2$

3.2. Components

<u>Name</u>	<u>% by weight</u>	<u>CAS N°</u>	<u>EINECS N°</u>	<u>EU Classification</u>
Kaolin, calcined	100 %	92704-41-1	296-473-8	No classification

4. First aid measures

No action to be avoided, nor special instructions for rescuers.

4.1. Eye contact

For direct contact, flush the affected eye with clean water. If irritation develops, seek medical attention.

4.2. Ingestion

No special first aid measure.

4.3. Inhalation

Remove from source to fresh air. If symptoms occur, seek medical attention.

4.4. Skin contact

Wash with soap and water, rinse after washing.

5. Fire-fighting measures

Non flammable, non explosive. No hazardous releases in case of fire.

6. Accidental release measures

6.1. Personal precautions

In case of exposure to prolonged or high level of airborne dust, wear a personal respirator in compliance with national legislation.

6.2. Environmental precautions

No special requirement.

6.3. Methods for cleaning up

Avoid dry sweeping and use water spraying or ventilated vacuum system to prevent dust formation.

7. Handling and storage

7.1. Safe handling advice

No special handling precautions are required. Good housekeeping and dust prevention procedures should be followed to minimise dust generation and accumulation. In case of insufficient ventilation, wear suitable respiratory equipment. The product may be handled with bare hands without the use of gloves; however gloves are recommended to prevent drying of skin. An apron may be worn to minimise exposure to the body.

7.2. Storage

No specific requirements. Provide appropriate ventilation and store bags such as to prevent any accidental damage. Prevent bags from being wet with drenching amounts of water to maintain the packaging integrity.

7.3. Specific use(s)

No special technical measures or precautions. Apply above handling advice when mixing with other products.

8. Exposure controls / Personal protection

8.1. Exposure limit values

Respect regulatory provisions for dust (total and respirable). Please refer to Annex 1 for the appropriate national exposure limit values.

8.2. Exposure controls

8.2.1. OCCUPATIONAL EXPOSURE CONTROLS

Use local exhaust ventilation to keep airborne concentrations of dust below permissible exposure levels. Wash hands before breaks and at the end of the workday. Remove and wash soiled clothing.

Respiratory protection

In case of prolonged exposure to dust wear a personal respirator in compliance with national legislation.

8.2.2. ENVIRONMENTAL EXPOSURE CONTROLS

No special requirement.

9. Physical and chemical properties

9.1. General information

Physical state	Solid (lumps, pellets, granules or powder)
Colour	White
Odour	Odourless

9.2. Important health, safety and environmental information

Specific gravity	2.7 g/cm ³
Melting temperature	> 1700°C
Boiling point	Not applicable
Flash point	Non flammable
Explosion hazard	Non explosive
Solubility in water	Negligible (< 10 ⁻² g/l)
Solubility in hydrofluoric acid	Yes
pH value in water (100 g/l)	8

10. Stability and reactivity

The product is chemically stable.

No particular incompatibility. No hazardous decomposition products.

11. Toxicological information

Skin irritation data

No irritation to skin.

Eye irritation data

Mild irritant to eyes.

12. Ecological information

No specific adverse effect known.

Not persistent, not bioaccumulative.

13. Disposal considerations

13.1. Waste from residues / unused products

Can be landfilled in compliance with local regulations. The material should be buried to prevent airborne respirable dust being emitted. Where possible, recycling should be preferred to disposal.

13.2. Packaging

No specific requirements. In all cases dust formation from residues in the packaging should be avoided and suitable worker protection assured. Recycling and disposal of packaging should be carried out by a suitable waste management company.

14. Transport information

No special precaution required under the regulation on transport of dangerous goods. Avoid dust spreading.

15. Regulatory information

As the product is not classified as dangerous, no labelling is required.

Neither the substance nor its constituents have been classified at EU level, under the dangerous substances and preparations regulation.

Respect regulatory provisions for dust (total and respirable). Please refer to Annex 1 for the appropriate national exposure limit values.

16. Other information

Liability

Such information is the best of our knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy itself as to the suitability and completeness of such information for their own particular use.

Annex 1**Occupational Exposure Limit Values in mg/m³ (respirable fraction)**
for the 27 EU member states (excluding Latvia) + Norway & Switzerland

Country	Non specified dust	Quartz	Cristobalite	Tridymite	Amorphous silica	Kaolin	Mica
Austria	6	0.15	0.15	0.15			
Belgium	3	0.1	0.05	0.05	2	2	3
Bulgaria	4	0.07	0.07	0.07			
Czech Republic		0.1	0.1	0.1			2
Cyprus		10*K/Q ^a			2		
Denmark	5	0.1	0.05	0.05		2	
Estonia		0.1	0.05	0.05	2		
Finland		0.2	0.1	0.1			
France ^b		25*K/Q ^c or 5 ^d					
France ^e	5	0.1	0.05	0.05		10 ^f	
Germany	3	^g	0.15	0.15			
Greece	5	0.1	0.05	0.05			
Hungary		0.15	0.1	0.15			
Ireland	4	0.05	0.05	0.05	2.4	2	0.8
Italy	3	0.05	0.05	0.05		2	3
Lithuania	10	0.1	0.05	0.05			
Luxembourg	6	0.15	0.15	0.15			
Malta ^h							
Netherlands	5	0.075	0.075	0.075			
Norway	5	0.1	0.05	0.05	1.5		3
Poland		0.3	0.3	0.3			
Portugal	5	0.05	0.05	0.05		2	3
Romania	10	0.1	0.05	0.05		2	3
Slovakia		0.1	0.1	0.1	2		2
Slovenia		0.15	0.15	0.15			
Spain	3	0.1	0.05	0.05		2	3
Sweden	5	0.1	0.05	0.05			
Switzerland	6	0.15	0.15	0.15	0.3	3	3
United Kingdom	4	0.1	0.1	0.1	2.4	2	0.8

^a K = 1 - Q = quartz percentage^b Empoussiérage de référence (Ministère de l'Industrie (RGIE))^c K = 1 - Q = quartz percentage^d Lowest of the two values.^e Valeur limite de moyenne d'exposition (Ministère du Travail)^f Inhalable fraction^g Germany has no OEL for quartz. Employers are obliged to minimise exposure as much as possible and to follow certain protective measures.^h When needed, Maltese authorities refer to United Kingdom values for OELVs which do not exist in Maltese legislation.