



MATERIAL SAFETY DATASHEET

Coating of alumina mullite

1.	Identification of the substances / preparation and company / undertaking
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1.1 Identification of the substance	1.2 Use of the product	1.3 Company/ undertaking identification	1.4 Emergency telephone
Coating of alumina mullite	This preparation is used in ceramics products (Slab, saggars and other kiln furniture) to reduce the sticking 2 methods are used to deposit the preparation : -The coating is sprayed on surfaces ceramic products. The coating is painted in -door with brush or rollers on surfaces	IMERYS Kiln Furniture Espana S.A P.O Box 18 Cachadas, La Guardia 36780 Pontevedra Spain Phone: +34 986 60 90 00 Fax: + 34 986 61 41 41	IMERYS Kiln Furniture Espana S.A P.O Box 18 Cachadas, La Guardia 36780 Pontevedra Spain Phone: +34 986 60 90 00 Fax: + 34 986 61 41 41 Name: Magdalena Gonzales
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2. Hazards identification

Classification: The article is not considered as dangerous for health and environment according to regulation in force

The preparation does give potential for generation of respirable dust during handling and use. Dust may contain respirable crystalline silica. Prolonged and or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of lung fibrosis are cough and breathlessness. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled

3. Composition / information on ingredients

Ingredient name	%	CAS number	Einecs number	Classification
Alumina	0-50%	1344-28-1	215-691-6	Non-hazardous
Mullite	0-50%	1302-93-8	215-113-2	Non-hazardous
Kaolin	0-50%	1332-58-7	310-127-6	Non-hazardous

4. First-aid measures

Eye contact: If dust of the product or part worn off contact the eye should flush out with plenty of water. If symptoms occur, seek medical attention

Skin contact: Wash with plenty of water; If symptoms occur, seek medical attention

Inhalation: No special first aid measures

Ingestion: No special first aid measures

5. Fire-fighting measures

Suitable extinguish media: The product is not combustible and combusive; the product can contact any extinguish media

Special exposure hazards: The product is not combustible, in fire it does not decompose

Special protective equipment for the fire-fighters: No special fire-fighting measures



6. Accidental release measures

Personal protecting apparatus: See section 8

Environmental measures: The use product itself should be deposited as building rubbish ; if the product will be contaminated during application, the user should examine the nature of the contamination and the waste should be treated accordingly

Cleaning / decontamination measures: Prevent the scattering of fine particles

7. Handling and storage

7.1 Handling: 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

7.2 Storage: Keep dry and frostless place, in cage or on pallet

7.3 Specific uses: No specific use measures

8. Exposure controls / Personal protection

8.1 Exposure limit values: See section 16

8.2 Exposure controls

8.2.1 Occupational exposure controls:

8.2.1.1 Respiratory protection: In case of dust, use protective mask type PPP3.

8.2.1.2 Hand protection: protective gloves

8.2.1.3 Eye protection: In case of dust, use protective glasses to prevent irritation

8.2.1.4 Skin protection: Use protective clothes to prevent irritation

8.2.2 Environmental exposure controls: None

9. Physical and chemical properties

9.1 General information

- **Physical state :** liquid
- **Odour :** none
- **Colour :** white

9.2 Important health, safety and environmental information

- **pH value :** 7
- **Melting point :** above 1600°C
- **Flash point :** not applicable
- **In flammability :** not applicable
- **Explosive properties :** not applicable
- **Oxidising properties:** not applicable



- **Vapour pressure** : not applicable
- **Relative density**: 1.5gr/cm³
- **Solubility** : not soluble in water and common solvents
- **Partition coefficient n-octanol / water**: not applicable
- **Viscosity**: not applicable
- **Vapour density**: not applicable
- **Evaporation rate**: not applicable

10. Stability and reactivity

Stability: The article is stable in the normal conditions of temperature and pressure

Conditions to avoid: No known dangerous conditions

Material to avoid: glasses and oxides/composites with melting action should not contact the surface of the product

Hazardous decomposition article: no known hazardous decomposition product in normal conditions of temperature and pressure

11. Toxicological information

Prolonged inhalation of respirable crystalline silica

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 be limited to people already suffering from silicosis. Worker protection against silicosis should be assured by respecting the existing regulatory occupational exposure limits and implementing additional risk management measures where required (see section 16 below).

No available information to date

12. Ecological information

It don't exist harmful effect on the environment to date



13. Disposal considerations

The waste is recyclable or should deposit as building rubbish according to the requirements of environmental protection and waste disposal legislation and any regional authority requirements
If the product will be contaminated during application, the user should examine the nature of the contamination and the waste should be treated accordingly.

14. Transport information

Non submit to ADR
No special marking required; Transportable on pallets, in cage on truck

15. Regulatory information

The article is not classified as dangerous
Hazard symbol: none
Risk phrases: none
Safety phrases: none

The changes in the product and the any new knowledge are attended and in accordance the Material Safety Datasheet should be updated continuously

16. Other information

Workers must be informed of the presence of crystalline silica and trained in the proper use and handling of this product as required under applicable regulations.

Social Dialogue on Respirable Crystalline Silica

A multi-sectoral social dialogue agreement on Workers Health Protection through the Good Handling and Use of Crystalline Silica and Products Containing it was signed on 25 April 2006. This autonomous agreement, which receives the European Commission's financial support, is based on a Good Practices Guide. The requirements of the Agreement came into force on 25 October 2006. The Agreement was published in the Official Journal of the European Union (2006/C 279/02). The text of the Agreement and its annexes, including the Good Practices Guide, are available from <http://www.nepsi.eu> and provide useful information and guidance for the handling of products containing respirable crystalline silica.



Table of Occupational Exposure Limit values (in mg/m³) – June 2006

	Poussières respirables (mg)	Poussières inhalables	Quartz	Cristobalite	Tridymite
Austria			0.15	0.15	0.15
Belgium			0.1	0.05	0.05
Denmark			0.1	0.05	0.05
Finland			0.2	0.1	0.1
Franc	10	5	5 or		
			0.1	0.05	0.05
Germany		6	0.15 ¹	0.15	0.15
Greece			0.1 ²	0.05	0.05
Ireland			0.05	0.05	0.05
Italy		3	0.05	0.05	0.05
Luxembourg			0.15	0.15	0.15
Netherlands		5	0.07	0.075	0.075
Norway			0.1	0.05	0.05
Portugal			0.05	0.05	0.05
Spain		5	0.1	0.05	0.05
			5 or		
Sweden			0.1	0.05	0.05
Switzerland			0.15	0.15	0.15
United Kingdom		4	0.3 ³	0,3	0,3