



MATERIAL SAFETY DATASHEET

Refractory material containing Silicon carbide Silicon nitride, Glass matrix

1. Identification of the substances / preparation and company / undertaking

1.1 Identification of the substance	1.2 Use of the product	1.3 Company/undertaking identification	1.4 Emergency phone
Aptasinit 02	Slab, saggar and other kiln furniture	IMERYS Kiln Furniture Ltd H-6800 Hodmezovasarhely Erzsebeti ut 7. Pf.: 179 Hungary Phone: +36 62 242 914 Fax: +36 62 245 634	IMERYS Kiln Furniture Ltd H-6800 Hodmezovasarhely Erzsebeti ut 7. Pf.: 179 Hungary Phone: +36 62 535 314 Name: Jozsef Meglieri

2. Hazards identification

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

The article can generate alveolar dusts potentially during no-normal conditions (For instance grinding or cutting operations). Dusts can contain some alveolar crystalline silica. An extended inhalation of these alveolar dusts can drive to a fibrose of lungs. The first symptoms of a fibrose of lungs are cough and shortness of breath. The exhibition on the workplace in alveolar dusts and in some alveolar crystalline silica must be watched and controlled.

3. Composition / information on ingredients

Ingredient name	%	CAS number	Einecs number	Classification
Silicon carbide	69-72	409-21-2	206-991-8	Non-hazardous
Silicon nitride	24-27	12033-89-5	234-796-8	Non-hazardous
Glass matrix	2-5	60676-86-0	262-373-8	Non-hazardous
Cristoballite	<0,5	14464-46-1	238-454-4	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. In case of steady irritation consult a doctor

Skin contact: Wash with plenty of water; In case of steady irritation consult a doctor

Inhalation: No particularly recommendation

Ingestion: No particularly recommendation

5. Fire-fighting measures

Suitable extinguish media: The product is not combustible and combusting; 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: None

6. Accidental release measures

Personal protecting apparatus: See section 8

Environmental measures: No particularly recommendation

Cleaning / decontamination measures: Prevent the scattering of fine particles

7. Handling and storage

7.1 Handling: Water machining to avoid the dispersion of fine particles

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

7.3 Specific uses: None

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: No



9. Physical and chemical properties

9.1 Appearance

- **Physical state** : solid
- **Colour** : greyish yellow
- **Odour** : none

9.2 Important health, safety and environmental information

- **pH value** : 7 in water
- **Melting point** : above 1800°C
- **Flash point** : not applicable
- **In flammability** : not applicable
- **Explosive properties** : not applicable
- **Oxidising properties**: not applicable
- **Vapour pressure** : not applicable
- **Relative density**: 2,8-3.85 ton/m³
- **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

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 data given below are based on present knowledge and experiences and should be onsidering the safety regulation and it does not guarantee the characteristics.

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

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

	Poussières respirables	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 25k/Q		
			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	0.075	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 25k/Q		
Sweden			0.1	0.05	0.05
Switzerland			0.15	0.15	0.15
United Kingdom		4	0.3 ³	0,3	0,3