

SAFETY DATA SHEET

(Following Regulations (EC) No 1907/2006 & (EC) No 1272/2008)

SDS Number: AR7 Date of first issue: 01 May 1995 Date of last revision: 21 February 2022

1 - Identification of product

1.1 - Identification of Product

Tradenames:

- 1.2 Use of Product
- 1.3 Identification of Company

Website

- 1.4 Emergency information
- 2 Hazard Identification
- 2.1 Classification of the substance/ mixture
- 2.2 Labelling Elements
- 2.3 Other hazards which do not result in classification
- 3 Composition / Information On Ingredients

4 - First-Aid measures

Skin

Eyes

Nose and Throat

- 4.2 Most Important symptoms and effects, both acute and delayed
- 4.3 Indication of any immediate medical attention and special treatment required

5 - Fire-fighting measures

- 5.1 Extinguishing media
- ${\bf 5.2}$ Special hazards arising from the substance or mixture
- 5.3 Advice for firefighters

6 - Accidental Release Measures

- 6.1 Personal precautions, protective equipment and emergency procedures
- 6.2 Environmental precautions
- 6.3 Methods and materials for containment and clean up
- 6.4 Reference to other sections

7 - Handling and storage

- 7.1 Precautions for safe handling
- 7.2 Conditions for safe storage
- 7.3 Specific end use

8 - Risk Management Measures / Exposures Controls / Personal Protection

8.1 - Control parameters

COUNTRY Respirable

Industrial hygiene standards and occupational exposure limits vary between countries and local jurisdictions. Check which exposure levels apply to your facility. If no regulatory dust or otherstandards apply, a qualified industrial hygienist can assist with a specific workplace evaluation including recommendations for respiratory protection. Examples of exposure limits for respirable dust (in January 2002) are given

	EXPOSURE LIMIT*				
•	Crystalline silica	Quartz	Cristobalite	SOL	JRCE

3 mg/m3 or 0.15 mg/m3 0.15 mg/m3 TRGS 900. Germany 6 mg/m3

0.10 mg/m3 0.05 mg/m3 Décret 97-331 du 10 avril 1997 France 5 mg/m3

0.30 mg/m3 HSE - EH40 4 mg/m3 U.K.

Information on monitoring procedures

Dust

8.2 - Exposure controls

8.2.1 APPROPRIATE ENGINEERING CONTROLS

Review your applications in order to identify potential sources of dust exposure.

Local exhaust ventilation, which collects dust at source, can be used. For example down draft tables, emission controlling tools and materials handling equipment. Keep the workplace clean. Use a vacuum cleaner. Avoid brushing and compressed air.

If necessary, consult an industrial hygienist to design workplace controls and practices.

The use of products specially tailored to your application(s) will help to control dust. Some products can be delivered ready for use to avoid further cutting or machining. Some could be pretreated or packaged to minimise or avoid dust release during handling.

Consult your supplier for further details

8.2.2 - Personal Protective Equipment

Skin protection:

Use of gloves and work clothes is recommended.

Soiled clothes should be cleaned before being taken off (e.g. use vacuum cleaning, not compressed air).

Eve protection:

As necessary wear goggles or safety glasses with side shields.

Respiratory protection:

For dust concentrations below the exposure limit value, RPE is not required but FFP2 respirators may be used on a voluntary basis.

For short-term operations where excursions are less than ten times the limit value use FFP2 respirators.

In case of higher concentrations or where the concentration is not known, please seek advice from your company and/or local Thermal Ceramics' supplier.

INFORMATION AND TRAINING OF WORKERS

Workers should be trained on good working practices and informed on applicable local regulations

8.2.3 - Environmental Exposure Controls

Refer to local, national or European applicable environmental standards for release to air water and soil.

For waste, refer to section13

^{*} Gravimetric concentrations of respirable dust – 8-hour time weighted average.

9 - Physical and chemical properties

Information on basic physical and chemical properties Not applicable Not applicable State Colour Not applicable Odour Not applicable **Odour threshold** Not applicable рΗ Not applicable Melting point/freezing point Not applicable Initial boiling point and boiling point range Not applicable Flash point Not applicable **Evaporation rate** Not applicable Flammability (solid, gas) Not applicable Upper/lower flammability or explosive limits Not applicable Not applicable Vapour pressure Vapour density Not applicable Relative density Not applicable Solubility(ies) Not applicable Partition co-efficient: n-octanol/water Not applicable **Auto-ignition temperature** Not applicable **Decomposition temperature** Not applicable Viscosity Not applicable Other safety information Not applicable **Particle Characteristics** Not applicable **Explosive properties** Not applicable **Oxidising properties** Not applicable

10 - Stability and Reactivity

- 10.1 Reactivity
- 10.2 Chemical Stability
- 10.3 Possibility of Hazardous Reactions
- 10.4 Conditions to Avoid
- 10.5 Incompatible Materials
- 10.6 Hazardous decomposition products

11 - Toxicological information

Toxicokinetics, metabolism and distribution

11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

12 - Ecological information

- 12.1 Toxicity
- 12.2 Persistence and degradability
- 12.3 Bioaccumulative potential
- 12.4 Mobility in soil
- 12.5 Results of PBT and vPvB assessment
- 12.6 Endocrine Disrupting Properties
- 12.7 Other adverse effects

13 - Disposal Considerations

- 13.1 Disposal Considerations
- 14 Transport information
- 14.1 Transport information

15 - Regulatory information

15.1 - Regulatory information

16 - Other Information

- 16.1 ADDITIONAL INFORMATION AND PRECAUTIONS TO BE CONSIDERED UPON REMOVAL OF AFTER SERVICE MATERIAL
- 16.2 uses advised against
- 16.3 NOTE
- 16.4 Further Information
- 16.5 Technical Datasheets
- 16.6 Revision Summary
- 16.7 NOTICE