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

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

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 other**standards 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 below:

	EXPOSURE LIMIT*				
COUNTRY	**Respirable Dust**	**Crystalline silica**	**Quartz**	**Cristobalite**	**SOURCE**
Germany	3 mg/m3 or 6 mg/m3		0.15 mg/m3	0.15 mg/m3	TRGS 900,
France	5 mg/m3		0.10 mg/m3	0.05 mg/m3	Décret 97-331 du 10 avril 1997
U.K.	4 mg/m3	0.30 mg/m3			HSE - EH40

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

Information on monitoring procedures

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 pre-treated 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).

Eye 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

9 - Physical and chemical properties

Information on basic physical and chemical properties	Not applicable
State	Not applicable
Colour	Not applicable
Odour	Not applicable
Odour threshold	Not applicable
pH	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
Vapour pressure	Not applicable
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