

SAFETY DATA SHEET

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

SDS Number: 722 Date of first issue: 29 June 2021 Date of last revision: 21 February 2022

1 - Identification of product

1.1 - Identification of Product

Tradenames: Vacupor MS , Vacupor MS-LD, Vacupor NT ,

Mircoporous Insulating Products.

These products are considered articles without intended release for the purposes of compliance with REACH and CLP regulations.

1.2 - Use of Product

Relevant identified uses of the substance or mixture:

Insulating material

Sector of use [SU]: SU 3 - Industrial uses: Uses of substances as such or in preparations at industrial sites

Uses advised against:

No information available at present

1.3 - Identification of Company

Manufacturer:

Porextherm Dämmstoffe GmbH,
Heisinger Str. 8/10,
D87437 Kempten
Germany

Telephone: +49 (0)831-575360

Fax: +49 (0)8310575363

www.porextherm.com,

info@porextherm.com

Website

www.morganthermalceramics.com

sds.tc@morganplc.com

1.4 - Emergency information

Tel: + 44 (0) 7931 963 973

Language: English

Opening hours: Only available during office hours

2 - Hazard Identification

2.1 - Classification of the substance/ mixture

2.1.1 CLASSIFICATION ACCORDING TO REGULATION (EC) NO 1272/2008

Not classified as hazardous according to Classification, Labelling and Packaging regulations (CLP) 1272/2008 EEC

2.2 - Labelling Elements

No labelling required as product is considered an article under REACH and CLP regulations.

2.3 - Other hazards which do not result in classification

The product does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006

The product does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006

3 - Composition / Information On Ingredients

Article based on amorphous fumed silica, opacifier and spun Rayon

None of the components are radioactive under the terms of European Directive Euratom 96/29.

4 - First-Aid measures

Skin
No special measures necessary

Eyes
In case of eye contact flush abundantly with water; have eye bath available. Do not rub eyes. Seek medical attention if irritation persists.

Nose and Throat
Typically no exposure pathway.
If symptoms persist, seek medical advice.

4.2 - Most Important symptoms and effects, both acute and delayed
If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

4.3 - Indication of any immediate medical attention and special treatment required
No special treatment required, if exposure occurs wash exposed areas to avoid irritation.

5 - Fire-fighting measures

5.1 - Extinguishing media
Use extinguishing agent suitable for surrounding combustible materials.

5.2 - Special hazards arising from the substance or mixture
Non combustible products. However, virgin product encapsulation may burn and produce gases and/or fumes.

5.3 - Advice for firefighters
In case of fire involving virgin materials do not breathe fumes
Use protective respirator with independent air supply.
Dispose of contaminated extinction water according to official regulations

6 - Accidental Release Measures

6.1 - Personal precautions, protective equipment and emergency procedures
Avoid build up of dust

6.2 - Environmental precautions
Normally not necessary

6.3 - Methods and materials for containment and clean up
Pick up mechanically and dispose of according to Section 13

6.4 - Reference to other sections
For further information, please refer to sections 7 and 8

7 - Handling and storage

7.1 - Precautions for safe handling
Avoid build up of dust
Eating, drinking, smoking as well as food storage is prohibited in the work-room.
General hygiene measures for handling of chemicals are applicable
Wash hands before breaks and at end of work
Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 - Conditions for safe storage
Store in original packaging in dry area whilst awaiting use
Avoid damaging packaging.
Recyclable cardboard and/or plastic films are recommended for packaging.

7.3 - Specific end use
Please refer to your local Morgan Thermal Ceramics' supplier.

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 and comply with local regulations. 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 national OELs (November 2014) are given in the table below.

COUNTRY	Total Dust (mg/m3)	Resp Dust (mg/m3)	Source
Austria	10	6	Grenzwerteverordnung
Belgium	10	3	Valeurs limites d'exposition professionnelle – VLEP/ Grenswaarden voor beroepsmatige blootstelling – GWBB
Denmark	10	5	Grænseværdier for stoffer og materialer
Finland	No limit	No limit	Finnish Ministry of Social Affairs and Health
France	10	5	Institut National de Recherche et de Sécurité
Germany*	10	1,25	TRGS 900
Hungary	No limit	No limit	<i>EüM-SZCSM rendelet</i>
Ireland	10	4	HAS – Ireland
Italy	10	3	Uses EU values
Luxembourg	10	6	Agents Chimiques, Cancérogènes Ou Mutagènes Au Travail
Netherlands	10	5	SER
Norway	10	5	Veiledning om administrative normer for forurensning i arbeidsatmosfære
Poland	No limit	No limit	Dziennik Ustaw 2010
Spain	10	3	INSHT
Sweden	10	5	AFS 2005:17
Switzerland	10	6	SUVA - <i>Valeurs limites d'exposition aux postes de travail</i>
UK	10	4	EH40/2005

Information on monitoring procedures

United Kingdom

MDHS 14/4 - "General methods for sampling and gravimetric analysis of respirable, thoracic and inhalable aerosols"

NIOSH

NIOSH 0500 "Particulates not otherwise regulated, total"

NIOSH 0600 "Particulates not otherwise regulated, respirable"

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

Eye/face protection:

Normally not necessary

Skin protection:

Normally not necessary

If applicable leather gloves and protective working garments (e.g. safety shoes, long-sleeved protective working garments)

Respiratory protection:

Normally not necessary

If OEL's are exceeded, if applicable, filter P2 (EN143), observe wearing time limitations for respiratory protection equipment.

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	Grey metallic shape
Colour	Not applicable
Odour	None
Odour threshold	Not Applicable
pH	Not applicable
Melting point/freezing point	> 1200°C
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	150-250 kg/m ³
Solubility(ies)	Insoluble
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

The product is stable

10.2 - Chemical Stability

The product is inorganic, stable and inert

10.3 - Possibility of Hazardous Reactions

None

10.4 - Conditions to Avoid

Please refer to handling and storage advice in Section 7

10.5 - Incompatible Materials

None

10.6 - Hazardous decomposition products

Products with encapsulation (PE foil, glass cloth), will, on initial heating above 150°C, release a limited quantity of carbon dioxide, carbon monoxide and traces of other organic compounds. During this initial heating any organic components in the encapsulation will be burned off and subsequent heating will not release any hazardous decomposition materials.

11 - Toxicological information

Toxicokinetics, metabolism and distribution

Article has not been tested using toxicological tests

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

ACUTE TOXICITY

Lethal dose 50 % (LD50) / lethal concentration 50% (LC50): N.A.

CHRONIC TOXICITY

No effects reported

12 - Ecological information

12.1 - Toxicity

These products are inert materials that remain stable overtime.
No adverse effects of this material on the environment are anticipated.

12.2 - Persistence and degradability

Not established

12.3 - Bioaccumulative potential

Not established

12.4 - Mobility in soil

No information available

12.5 - Results of PBT and vPvB assessment

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

This mixture contains no substance considered to be very persistent and very bioaccumulative (vPvB).

12.6 - Endocrine Disrupting Properties

No additional information available

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