

SAFETY DATA SHEET

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

SDS Number: 723 Date of first issue: 29 June 2021 Date of last revision: 26 February 2025

Section 1 - Identification of product

1.1 - Identification of Product

Tradenames: WDS Nextra Board, WDS Nextra Panel, WDS Nextra Panel HY,

1.2 - Use of Product

Relevant identified uses of the substance or mixture:

Insulating material

Sector of use [SU]: SU 3 - Inudstrial 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

IDENTIFICATION OF THE MANUFACTURER/SUPPLIER

Murugappa Morgan Thermal Ceramics Ltd., Plot No: 26 & 27, SIPCOT Industrial complex, Ranipet, Vellore District, Tamil Nadu, India Pin: 632403

Website

www.morganthermalceramics.com sds.tc@morganplc.com

1.4 - Emergency information

EMERGENCY CONTACT NUMBER

Tel 1: +91 (4172) 244 313 extn no. 215 or 201 Language: English

Opening hours: Only available during office hours

Section 2 - Hazard Identification

2.1 - Classification of the substance/ mixture

2.1.1 CLASSIFICATION ACCORDING TO SAFEWORK AUSTRALIA
Not classified as hazardous according to the criteria of Safework Australia
Not classified as a dangerous good according to the criteria of the ADG Code

2.1.2 CLASSIFICATION ACCORDING TO GHS Rev 7.

Not classified

2.2 - Labelling Elements

Not applicable

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

Section 3 - Composition / Information On Ingredients

COMPONENT	%	CAS Number	REACH Registration Number	Hazard Classification according to CLP
Fumed Silica	50-70	7631-86-9	Not yet available	Not classified
Silicon Carbide	10-30	409-21-2	Not yet available	Not classified
Alkalie Earth Silicate Fibres	<10	436083-99-7	Not yet available	Note Q exonerated
Silica Fibre	<10	N/A	Not yet available	Not classified

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

Murugappa Morgan Thermal Ceramics Ltd., Plot No: 681, Motibhoyan Village, Sanand-Kalol state Highway, Kalol Taluk, Gandhi Nagar District, Gujarat, India

Section 4 - First-Aid measures

Skin

In case of skin irritation rinse affected areas with water and wash gently. Do not rub or scratch exposed skin.

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

Section 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 offical regulations

Section 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

Section 7 - Handling and storage

7.1 - Precautions for safe handling

Avoid build up of dust

Eating, drinking, smoling 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 a dry area. Always use sealed and clearly labelled containers. Avoid damaging containers. Reduce dust emission during unpacking.

7.3 - Specific end use

Please refer to your local Morgan Thermal Ceramics' supplier.

Section 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/m ³)	Resp Dust (mg/m ³)	Amorphous Silica (total)	Amorphous Silica (resp)	Source
	(IIIg/III)	(IIIg/III)	(mg/m ³)	(mg/m ³)	
India	10	-	-	-	Directorate General Factory Advice Service & Labour Industries (DFGASLI)
China	8	-	1	0.7	GBZ 2.1-2019
Japan	8	4	2	1	The Japan Society for Occupational Health (JSOH)
South Korea	10	-	10	0.1	K-OSHA Value
UAE	10	2	10	3	Abu Dhabi Occupational Safety and Health System Framework (OSHAD-SF) v 3.0 July 2016 (withdrawn) and other appropriate standards
Australia	10	2	10	2	Workplace Exposure Standards for Airbourne Contaminants, Dec 2019

Information on monitoring procedures

United Kingdom

MDHS 59 specific for MMVF: "Man-made mineral fibre - Airborne number concentration by phase-contrast light microscopy" and MDHS 14/4 "General methods for sampling and gravimetric analysis of respirable and inhalable dust"

NIOSH 0500 "Particulates not otherwise regulate, total"

NIOSH 0600 "Particulates not otherwise regulate, respirable" NIOSH 7400 "Asbestos and other fibres by PCM"

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

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

Section 9 - Physical and chemical properties

Information on basic physical and chemical properties

State Colour Odour

Odour threshold

pH

Melting point/freezing point Initial boiling point and boiling point range

Flash point
Evaporation rate
Flammability (solid, gas)

Upper/lower flammability or explosive limits

Vapour pressure Vapour density Relative density Solubility(ies)

Partition co-efficient: n-octanol/water Auto-ignition temperature Decomposition temperature

Viscosity

Other safety information

Particle Characteristics

Explosive properties

Oxidising properties
Section 10 - Stability and Reactivity

Not applicable Not Applicable Not Applicable

No further relevant information available.

mixture does not contain any intentionally added particles in the nanomaterial range

Not applicable Not applicable

Not applicable

Not Applicable Not applicable

Not applicable

Not applicable

Not applicable

Not applicable

Not Applicable

150-600 kg/m3

Not applicable

Not soluble in water

Not Applicable

> 1200°C Not applicable

White solid

White

None

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.

Section 11 - Toxicological information

Toxicokinetics, metabolism and distribution

11.1.1 BASIC TOXICOKINETICS

Exposure is predominantly by inhalation or ingestion, available toxicological information is as follows:

11.1.2 Human Toxicological data

RESPIRATORY TOXICITY FOR MINERAL WOOLS

Epidemiological studies did not show any health effects related to fibres among Mineral Wool manufacturing workers. The excess of lung cancers reported in 1982 have been the subject of additional investigations and the examination of the confounding factors showed that the excess were not attributed to fibres. Smoking has been identified as the most important of these confounding factors.

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

Experimental Studies for Mineral Wools

Animal inhalation studies on mineral wools showed neither pulmonary fibrosis nor lung cancer nor mesothelioma. Intratracheal and intraperitoneal injection studies did not show any disease except those involving selected fine glass fibres for special uses or experimental rock wools.

11.2 Information on other hazards

Endocrine disrupting properties: no known effects.

Other hazards: none known

Section 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

Section 13 - Disposal Considerations

13.1 - Disposal Considerations

Waste from these materials may be generally disposed off at a landfill, which has been licensed for this purpose. Please refer to the European list (Decision N° 2000/532/CE as modified) to identify your appropriate waste number, and ensure national and/or regional regulations are complied with.

Unless wetted, such a waste is normally dusty and so should be properly sealed in containers for disposal. At some authorised disposal sites, dusty waste may be treated differently in order to ensure they are dealt with promptly to avoid them being windblown. Check for any national and/or regional regulations, which may apply.

Section 14 - Transport information

14.1 - Transport information

14.1. UN number

Not Applicable

14.2. UN proper shipping name

Not Applicable

14.3. Transport hazard class(es)

Not Applicable

14.4. Packing group

Not Applicable

14.5. Environmental hazards

Not Applicable

14.6. Special precautions for user

Not Applicable

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not Applicable

Section 15 - Regulatory information

15.1 - Regulatory information

This SDS has been prepared in accordance with WHO GHS rev. 7 requirements. Where applicable, local regulations have been followed.

Section 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

This Safety Data Sheet was originally produced in English and has subsequently been translated in to other languages; whilst every effort has been made to make this an accurate translation, please be aware that technical terms do not always translate correctly. The English version should always be considered as the reference version.

16.4 - Further Information

FURTHER INFORMATION

Further information can be found on

http://www.morganthermalceramics.com/

http://www.morganii

http://www.safeworkaustralia.gov.au/sites/swa/about/publications/pages/workplace-exposure-standards-airborne-contaminants

16.5 - Technical Datasheets

TECHNICAL DATA SHEETS

For more information on individual products please see the technical data sheet section at www.morganthermalceramics.com

16.6 - Revision Summary

Content checked and revision date updated

16.7 - NOTICE