

SAFETY DATA SHEET

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

SDS Number: DC6 Date of first issue: 25 June 2019 Date of last revision: 21 February 2022

1 - Identification of product

1.1 - Identification of Product

Tradenames: WDS Superskin,

The above-mentioned product is a coating material.

1.2 - Use of Product

The product is a sprayable inorganic coating used in combination with WDS® insulation products to reduce abrasion, prevent dust formation, improve protection during handling.

1.3 - Identification of Company

IDENTIFICATION OF THE MANUFACTURER/SUPPLIER

Morgan Advanced Materials
 Thermal Ceramics
 30-36 Birralee Road, Regency Park, SA 5010, Australia
 Telephone: 1800 467 858
 Fax: 1800 467 850

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

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

COMPONENT	%	CAS Number	Index Number	REACH Registration Number
Potassium Silicates	<85	12001-26-2	-	Not Classified
Water	Balance	-	-	Not Classified

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

4 - First-Aid measures

Skin

Wash immediately with water and soap, rinse and seek medical advice if skin irritation persists

Eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Nose and Throat

In case of inhalation of aerosols provide with fresh air. Wash face with water. Seek medical advice if symptoms persist. - After swallowing rinse out mouth and then drink plenty of water. Seek immediate medical advice.

If symptoms persist, seek medical advice.

4.2 - Most important symptoms and effects, both acute and delayed

No symptoms or effects expected either acute or delayed

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,

5.3 - Advice for firefighters

Packaging and surrounding materials may be combustible.

6 - Accidental Release Measures

6.1 - Personal precautions, protective equipment and emergency procedures

Particular danger of slipping on leaked/spilled product.
Wear protective clothing.

6.2 - Environmental precautions

Do not allow product to reach sewage system or water bodies.

Dilute with much water.
If large amounts are released, the authorities must be informed.

6.3 - Methods and materials for containment and clean up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 13.
Residues: rinse away with plenty of water.

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

Keep containers tightly sealed.
Open and handle container with care.

7.2 - Conditions for safe storage

Keep containers tightly closed. Store in cool, dry conditions.
Only use containers permitted for the substance: steel, polyolefines.
Do not store together with acids
Protect from Frost

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

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Information on monitoring procedures

United Kingdom

MDHS 14/4 - "General methods for sampling and gravimetric analysis of respirable, thoracic and inhalable aerosols"
MDHS 101 - "Crystalline silica in respirable airborne dusts"

NIOSH

NIOSH 0500 "Particulates not otherwise regulated, total"
NIOSH 0600 "Particulates not otherwise regulated, respirable"
NIOSH 7500 "Silica, Crystalline, by XRD (filter redeposition)"

8.2 - Exposure controls

Personal protective equipment:

· General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Immediately remove all soiled and contaminated clothing.

Wash Hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

8.2.2 - Personal Protective Equipment

Skin Protection

Use of gloves and work clothes is recommended.

Eye Protection

Wear safety glasses

Respiratory Protection

Use appropriate respiratory protective equipment (RPE) if necessary.

Information and Training of workers

Workers should be informed on:

- The requirements for the use of protective equipment and clothing.

Workers should be trained on:

- The proper use of protective 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

State	Not Applicable
Colour	Brown (viscous) liquid
Odour	Not applicable
Odour threshold	None
pH	Not Applicable
Melting point/freezing point	11.2
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	1390-1460 kg/m ³
Solubility(ies)	Miscible with water
Partition co-efficient: n-octanol/water	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not Applicable
Viscosity	ca 5 Pa*s (fresh after mixing) Measured with ViscoQC 100 – R, RH2 Spindel, 5 RPM
Other safety information	No further relevant information available.
Particle Characteristics	Not applicable
Explosive properties	Not applicable
Oxidising properties	Not applicable

10 - Stability and Reactivity

10.1 - Reactivity

The material is stable and non reactive.

10.2 - Chemical Stability

Stable under normal temperature conditions.

10.3 - Possibility of Hazardous Reactions

Strong exothermic reaction with acids
Reacts with various metals
Corrosive action on metals, e.g. aluminium and zinc.

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

Reaction in contact with metal forming hydrogen.

11 - Toxicological information

Toxicokinetics, metabolism and distribution

ute toxicity

Acute toxicity (Oral LD50): Oral LD50 > 2000 mg/kg (rat) for Waterglass

Acute toxicity (Dermal LD50): Not relevant

Acute toxicity (Inhalation LC50): Not relevant

Inhalation: Dust in high concentrations may irritate the respiratory system.

Ingestion: May cause discomfort if swallowed.

Skin contact: Slight irritant, but not sufficient to trigger an EC label.

Eye contact: Slight irritant, but not sufficient to trigger an EC label.

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.

Prolonged or repeated contact with skin or mucous membranes may cause irritation symptoms including reddening and dermatitis.

Aerosols may cause damages to mucous membranes, eyes and respiratory tract.

12 - Ecological information

12.1 - Toxicity

Aquatic toxicity:
EC 50 > 100 mg/l (Aquatic invertebrates)
> 100 mg/l (Bacteria)

LC 50 > 100 mg/l (Fish)
(FOR WATER GLASS)

12.2 - Persistence and degradability

not biodegradable.

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

Nicht in Entwässerungssystem, Oberflächen- oder Grundwasser eindringen lassen
Wassergefährdungsklasse 1 (Selbsteinschätzung): leicht wassergefährdend.
(WASSERGLAS)

12.7 - Other adverse effects

13 - Disposal Considerations

13.1 - Disposal Considerations

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

15 - Regulatory information

15.1 - Regulatory information

This SDS has been prepared in accordance with WHO GHS rev. 6 requirements. Where applicable, local regulations have been followed.

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.ecfia.eu/>

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

16.5 - Technical Datasheets

16.6 - Revision Summary

Content checked and revision date updated

16.7 - NOTICE

The information presented herein is based on data considered to be accurate as of the date of preparation of this Safety Data Sheet. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by the vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.