

SAFETY DATA SHEET

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

SDS Number: 1008 Date of first issue: 10 August 2020 Date of last revision: 21 February 2022

1 - Identification of product

1.1 - Identification of Product

Tradenames: Promaxon-D,

1.2 - Use of Product

Friction extender in brakepads and linings, thixotropic agent in paints and coatings, parting agent for granulates, in dry liquid systems, flame retardant and drip suppressant in thermoplastics and for other applications.

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

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

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
Classified as category 2 Causes serious eye damage / eye irritation

2.2 - Labelling Elements



Hazard pictogram (CLP):

Signal Word: Warning
Hazard statements: H319: Causes serious eye irritation

Precautionary Statements

P264: Wash contaminated skin thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/ face protection.
P305 + P351 + P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P337 +P313: If eye irritations persists: Get Medical advice / attention.

2.3 - Other hazards which do not result in classification

3 - Composition / Information On Ingredients

Component	% by weight	CAS No.	REACH Registration Number	Hazard Classification according to CLP
PROMAXON®-D	80-100	1344-95-2	01-2119990740-32-0000	Eye Irrit. 2, H319

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.

Eyes

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

Nose and Throat

If these become irritated move to a dust free area, drink water and blow nose. Seek medical attention if irritation persists.

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

- In case of contact with the skin: This product might cause skin rash.
- In case of contact with eyes: This product might irritate the eyes.
- In case of inhaling: Not applicable.
- In case of ingestion: Could cause stomach and digestion problems.

4.3 - Indication of any immediate medical attention and special treatment required

5 - Fire-fighting measures

5.1 - Extinguishing media

Non-combustible products. Fire protection class: 0

Packaging and surrounding materials could be combustible.

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

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

Where abnormally high dust concentrations occur, provide workers with appropriate protective equipment as detailed in section 8.

Restrict access to the area to a minimum number of workers required.
Restore the situation to normal as quickly as possible.

6.2 - Environmental precautions

Do not allow to enter sewers / surface or ground water.

6.3 - Methods and materials for containment and clean up

Pick up large pieces and use a vacuum cleaner.
If brushes are used, ensure that the area is wetted down first.
Do not use compressed air for clean up.
Do not allow to become windblown.

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

Handling can be a source of dust emission and therefore the processes should be designed to limit the amount of handling. Whenever possible, handling should be carried out under controlled conditions (i.e., using dust exhaust system).
Regular good housekeeping will minimise secondary dust dispersal.

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.

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	Calcium Silicate Synthetic non-fibrous		Source
	Total Dust (mg/m3)	Resp Dust (mg/m3)	
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, Cancérigènes 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 - Valeurs limites d'exposition aux postes de travail
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

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	White crystals or powders
Odour	Not applicable
Odour threshold	None
pH	Not Applicable
Melting point/freezing point	9-10
Initial boiling point and boiling point range	Not determined
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)	24145 g/cm ³ (20°C)
Partition co-efficient: n-octanol/water	Water: 37g/ml (@20°C)
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
Viscosity	Not determined.
Other safety information	Not Applicable
Particle Characteristics	No further relevant information available.
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

The product is inorganic, stable and inert

10.3 - Possibility of Hazardous Reactions

No dangerous reactions known.

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

No dangerous decomposition products known.

11 - Toxicological information

Toxicokinetics, metabolism and distribution

Acute Toxicity

Acute toxicity (oral): Not classified
Acute toxicity (dermal): Not classified
Acute toxicity (inhalation): Not classified.

Lethal concentration 50% (LC50): Inhalation >4.9mg/l : 4H

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

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

Hydrolysis half-life: < 6 days. Substance is inorganic and therefore not subjected to biodegradation.

12.3 - Bioaccumulative potential

No further relevant information available.

12.4 - Mobility in soil

No information available

12.5 - Results of PBT and vPvB assessment

· PBT: Not applicable.
· vPvB: Not applicable.

12.6 - Endocrine Disrupting Properties

12.7 - Other adverse effects

13 - Disposal Considerations

13.1 - Disposal Considerations

Must be specially treated under adherence to official regulations.

(After neutralization: solids (silicic acid, water-insoluble alkali silicates) can be deposited with household garbage after consulting with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations.

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

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

New Safety Data Sheet

16.7 - NOTICE