

## 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: 26 February 2025

### Section 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

Morgan Advanced Materials Industries Limited  
Thermal Ceramics  
PO Box 146109  
Plot No : KHIA 4- 07A  
Khalifa Industrial Zone, Abu Dhabi  
United Arab Emirates

#### Website

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

#### 1.4 - Emergency information

Tel 1: +971 (2) 550 4322  
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  
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

### Section 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

## 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.

### Eyes

Wash out immediately with fresh running water.

Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Seek medical attention without delay; if pain persists or recurs seek medical attention. removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

### 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

## Section 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

## Section 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

## Section 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.

## Section 8 - Risk Management Measures / Exposures Controls / Personal Protection

### 8.1 - Control parameters

Removing dried material after use may generate respirable dust.

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 (October 2024) are given in the table below. Additional references and/or updates can be found on the following websites:

COUNTRY	Total Dust (mg/m3)	Resp Dust (mg/m3)	Source
India	no limit set	no limit set	Directorate General Factory Advice Service & Labour Industries (DFGASLI)
China			GBZ 2.1-2019
Japan			The Japan Society for Occupational Health (JSOH)
Korea			K-OSHA Value
UAE	10	4	Abu Dhabi Occupational Safety and Health System Framework (OSHAD-SF) v 3.0 July 2016 (withdrawn) and other appropriate standards
Australia	10		Workplace Exposure Standards for Airbourne Contaminants, Dec 2019

### 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

## Section 9 - Physical and chemical properties

### Information on basic physical and chemical properties

State	Not applicable
Colour	White crystals or powders
Odour	White
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	24145 g/cm <sup>3</sup> (20°C)
Solubility(ies)	Water: 37g/ml (@20°C)
Partition co-efficient: n-octanol/water	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not determined.
Viscosity	Not Applicable
Other safety information	No further relevant information available.
Particle Characteristics	mixture does not contain any intentionally added particles in the nanomaterial range
Explosive properties	Not applicable
Oxidising properties	Not applicable

## Section 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.

## Section 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

### 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

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

## Section 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.

## 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.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.