

**SAFETY DATA SHEET**

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

SDS Number: 708      Date of first issue: 29 June 2021      Date of last revision: 21 February 2022

**1 - Identification of product**

**1.1 - Identification of Product**

**Tradenames:** WDS Protection G Plus,

**1.2 - Use of Product**

**Relevant identified uses of the substance or mixture:**

Component for the production of the WDS Protection G Plus Coating

**Uses advised against:**

No information available at present

**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**

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  
 Classified as category 2 eye irritant, category 2 skin irritant.

**2.2 - Labelling Elements**

2.2.1 LABELLING ELEMENTS ACCORDING TO REGULATION (EC) NO 1272/2008



Hazard pictogram:  
 Signal Word: Warning  
 Hazard statements:  
 H315: Causes skin irritation  
 H319: Causes serious eye irritation

**Precautionary Statements**

P280: Wear protective gloves/protective clothing/eye protection/ face protection.  
 P314: Get medical advice/attention if you feel unwell

**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	REACH Registration Number	Classification according to Regulation (EC)1272/2008 CLP
Aluminium tris(dihydrogen phosphate)	10-70	13530-50-2	Not yet available	Eye Irrit 2 (H319). Skin Irrit 2 (H315)

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

## 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

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

Remove person from danger area  
Supply person with fresh air and consult doctor according to symptoms.

### INGESTION:

Rinse the mouth thoroughly with water.  
Give copious water to drink - consult doctor immediately

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

In case of fire the following can develop:

Oxides of carbon  
Oxides of phosphorus  
Oxides of nitrogen  
Toxic pyrolysis 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

Ensure sufficient supply of air.  
Avoid contact with eyes or skin  
If applicable, caution - risk of slipping

### 6.2 - Environmental precautions

If leakage occurs, dam up  
Resolve leaks if possible without risk  
Prevent surface and ground water infiltration as well as ground penetration  
Prevent from entering drainage system

### 6.3 - Methods and materials for containment and clean up

Soak up with absorbent material and dispose of in accordance with local regulations  
Flush residue using copious 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

Ensure good ventilation  
Avoid contact with eyes or skin  
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

Keep out of access to unauthorised individuals  
Store product closed and only in original packing  
Not to be stored in gangways or stairwells  
Protect from frost

### 7.3 - Specific end use

The main application of these products is as thermal insulation. 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/m <sup>3</sup> )	Resp Dust (mg/m <sup>3</sup> )	Amorphous Silica (total) (mg/m <sup>3</sup> )	Amorphous Silica (resp) (mg/m <sup>3</sup> )	Source
Austria	10	6	-	-	Grenzwerteverordnung
Belgium	10	3	10	-	Valeurs limites d'exposition professionnelle – VLEP/ Grenswaarden voor beroepsmatige blootstelling – GWBB
Denmark	10	5	-	2	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	4	-	TRGS 900
Hungary	No limit	No limit	-	-	<i>EüM-SZCSM rendelet</i>
Ireland	10	4	-	2.4	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	-	1.5	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	6	2.4	EH40/2005

#### Information on monitoring procedures

### 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 Protection:

Tight fitting protective goggles with side protection (EN 166)

Skin Protection - Hand Protection:

Chemical resistant protective gloves (EN 374)

If applicable

Rubber gloves

Safety gloves made of butyl

Protective nitrile gloves

Skin Protection - Other

Protective working garments

Respiratory protection:

Normally not necessary

#### 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	White Liquid
Colour	Not applicable
Odour	Characteristic
Odour threshold	Not Applicable
pH	Not known
Melting point/freezing point	Not determined
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	UNKNOWN
Solubility(ies)	Miscible with water
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 has not been tested

### 10.2 - Chemical Stability

Stable under normal temperature conditions.

### 10.3 - Possibility of Hazardous Reactions

No decomposition if used as intended  
Avoid contact with other chemicals.

### 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

None

## 11 - Toxicological information

### Toxicokinetics, metabolism and distribution

Primary route of exposure is skin contact, as product is a skin irritant protective equipment should be provided.

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

Aluminium tris (dihydrogen phosphate)

symptoms: mucous membrane irritation

## 12 - Ecological information

### 12.1 - Toxicity

No information on finished product available

### 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