

# Material Safety Data Sheet

## according to Regulation (EU) 2015/830



Revision:07

Revision Date: 2024-08-22

Print Date : 2018-12-20

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

**Product Name:** SYNTHETIC ABRASIVE - Synthetic Abrasive Aluminium Oxide

#### 1.2. Details of the supplier of the safety data sheet

**Company Name:** President Dental GmbH

**Street:** Kesselbodenstrasse 5

**Zip-Code / Town:** 85391, Allershausen

**Web:** www.presidentdental.com

**Contact for technical information:** +49 8166 389 9 820

**Phone / Fax / E-Mail:** +49 8166 389 9 820 / +49 8166 389 9 821 / info@presidentdental.com

#### 1.3. Emergency Telephone Number

+49 89 127 660 (8.00 am – 4.30 pm Mon-Fri)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**EC/R:** Not applicable.

#### 2.2. Label Elements

None

#### 2.3. Other Hazards

None

#### Further Information

### SECTION 3: Composition/information on ingredients

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Chemical Name	Index No.	CAS No.	EINECS No.	Conc. (%w/w)	Reg. No	Classification
Aluminium Oxide(Al <sub>2</sub> O <sub>3</sub> )	-	1344-28-1	215-691-6			

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation	No special action required
Eye Contact:	Flush with plenty of water.Seek medical advice if irritation persists
Skin Contact:	No special action required
Ingestion	No special action required

### 4.2. Most important symptoms and effects, both acute and delayed

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### 4.3. Indication of any immediate medical attention and special treatment needed

	Information not available
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## SECTION 5: Fire Fighting Measures

### 6.3. Extinguishing media

General Information:	Not Inflammable
Extinguishing media which must not be used for safety reasons:	None known
Suitable extinguishing media:	Use extinguishing measures appropriate to the source of the fire.
Special exposure hazards arising from the substance itself, combustion products, resulting gases:	None known

### 6.3. Special Hazards arising from the substance or mixture

	None
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### 6.3. Advice for firefighters

	None
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### SECTION 6: Accidental release measures

#### 6.1. Personal Precautions, protective equipment and emergency procedures.

Avoid dust formation. Wear personal protective equipment (see also item 8.3)

#### 6.2 Environmental precautions

No special measures required

#### 6.3. Methods and material for containment and cleaning up

Pick up mechanically and dispose of in accordance to regulations

#### 6.4. Reference to other sections

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Handling	Avoid dust formation.
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#### 7.2. Conditions for safe storage, including any incompatibilities.

Storage conditions of storage rooms and vessels:	No special precautionary measures.
Advice of storage of incompatible materials:	None.
Further information for storage:	None

#### 7.3. Specific and use(s)

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Further information for system design and engineering measures:	Not applicable
Components with specific control parameters as limit values:	Observe the local bylaws in terms of fine dust (e.g.: TWA value 10 mg/m <sup>3</sup> ; MAK

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value 6 mg /m<sup>3</sup>, see also item 16 )

### 8.2. Exposure Control

Respiratory protection:

Avoid inhaling the dust  
Fine-dust mask with category P1 filter must be used if fine dust limits are exceeded.

Hand Protection:

Protective gloves are recommended

Eye protection:

Safety glasses are recommended

General protection and hygiene measures:

Observe standard industrial hygiene practice

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	Grains, powder
Colour	Brown Bluish Grey Black White pink
Odour	Odourless
Change in physical state	Melting points aprox. 2000°C
Flash point:	Not applicable
Flammability	Not applicable
Ignition temprature	Not applicable
Autoflammability	Not applicable
Oxidizing properties	Not applicable
Explosive properties	Not applicable
Explosive limits	Not applicable
Specific gravity	3,7 – 4,5) g/cm <sup>3</sup>
Bulk density	500 - 2500) kg/m <sup>3</sup>
pH	Not applicable
Vapour pressure	Not applicable.
Solubility in water	Practically insoluble
Partition coefficient n-octanol/water	Not applicable

### 9.2. Other Information

None

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The material is stable, no hazardous reactions known

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## 10.2. Chemical Stability

	Stable
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## 10.3. Possibility of Hazardous Reactions

	No hazardous reactions known.
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## 10.4. Conditions to avoid

	Not applicable
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## 10.5 Incompatibles materials

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## 10.6. Hazardous decomposition products

	Not known
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

General information	No hazardous effects known, if used properly. No free silica included (see also item 16)
Acute toxicity	Not known

### Further Information

	None
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## SECTION 12: Ecological information

The product can be disposed through the sewage system

### 12.1 Toxicity

No harmful effects on water organisms anticipated

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### 12.2. Persistence and degradability

Chemically inert and insoluble in water. Separation by mechanical processes (sedimentation, filtration etc.)

### 12.3. Bioaccumulative potential

Information not available

### 12.4. Mobility in Soil

	Information not available
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### 12.5. Results of PBT and vPvB assessment

	Information not available
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### 12.6. Other adverse effects

	No environmental problems expected, if handled and treated in accordance with standard industrial practice
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## SECTION 13: Disposal Considerations

### 13.1. Waste Treatment methods

### 13.2. General Information

	Can be stored with domestic waste. Observe local bye-laws
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### 13.3. Disposal Method

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### 13.4. Disposal of packaging

	Packaging has to be emptied entirely. Recycling of used packaging is recommended. Local bye-laws must be observed.
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## SECTION 14: Transport information

### 14.1 UN number

	Not applicable
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### 14.2. UN proper shipping name

	Not applicable
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## 14.3. Transport hazard class(es)

Non hazardous material
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## 14.4. Packing Group

Not applicable
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## 14.5. Environmental hazards

Non hazardous material
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## 14.6. Special precautions for user

Not applicable
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## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Information not relevant
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## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations: e.g.: (Germany) Classification according VbF:	Not subjected to VbF.
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### 15.2. Chemical safety assessment

Water pollution category:	Not water polluting (VwVwS (Germany) dated 27.07.2005, enclosure 1)
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## SECTION 16: Other information

### Further Information

	Studies by the Institute for Hygiene and Industrial Medicine of the University of Essen showed that fused aluminium oxide (corundum) is inert and possesses no toxic or carcinogenic properties. This information covers the safety requirements of the product(s) exclusively and is based
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on current knowledge and experience. It does not represent a guarantee for properties of the described product(s) in terms of the legal warranty regulations.  
The product specification is contained in a separate product data sheet.