

# PRODUCT SAFETY DATA SHEET (white corundum)

Worked out in compliance with  
Dir. 93/112/CEE and further modifications

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Rev. 4  
2018 October 31st

Worked out by:  
**BERTOTTI MASSIMO**

## 1. IDENTIFICATION

- 1.1 Commercial Name: **Artificial white corundum  
OROCOR – SUPERCOR**
- 1.2 Manufacturer:
- 1.3 Dealer: **DENTALFARM S.r.l.**  
via Susa, 9/A  
10138 TORINO - ITALIA  
tel. 011/4346632  
fax 011/4346366

## 2. HAZARD WARNINGS

- 2.1 **Exposition to high concentrations of corundum dust particles may determine breathing troubles, eye irritation and deposal of microparticles along the respiratory tract and inside ears. Corundum is a high abrading material and it might cause skin irritations in case of friction.**
- 2.2 **In case of pre-existing illnesses related to the respiratory apparatus, such as bronchitis, emphysema and asthma, clinical conditions may become worse.**
- 2.3 **The product is chemically inert and itr does not constitute any particular risk for the environment.**

## 3. CHEMICAL COMPOSITION

Component	%	TWA	Cancerogenic
<b>Al<sub>2</sub>O<sub>3</sub></b>	<b>&gt;95,00</b>	<b>10 mg/m<sup>3</sup></b>	<b>NO</b>
<b>Cr<sub>2</sub>O<sub>3</sub></b>	<b>0,10</b>	<b>0,5 mg/m<sup>3</sup></b>	<b>NO</b>
<b>SiO<sub>2</sub> *</b>	<b>0,40</b>	<b>10 mg/m<sup>3</sup></b>	<b>NO</b>
<b>Fe<sub>2</sub>O<sub>3</sub></b>	<b>0,20</b>	<b>10 mg/m<sup>3</sup></b>	<b>NO</b>
<b>TiO<sub>2</sub></b>	<b>3,5</b>	<b>10 mg/m<sup>3</sup></b>	<b>NO</b>
<b>CaO</b>	<b>0,25</b>	<b>2 mg/m<sup>3</sup></b>	<b>NO</b>

\* silica contained in corundum is chemically combined

**Al<sub>2</sub>O<sub>3</sub> registered under CAS (Chemical Abstract System) Number 1344-28-1.**

## 4. FIRST AID

- 4.1 Inhalation: **Go away from the dusty area, blow the nose to get rid of the dust and drink water to clean your throat.**
- 4.2 Eye irritation: **Dot not rub your eyes! Wash them carefully with lots of water. In case of persisting irritation, contact a doctor.**
- 4.3 Skin irritation: **As above.**
- 4.4 Ingestion: **Not Applicable.**

## 5. FIRE AND EXPLOSION RISKS

**None.** The product is not inflammable and it does not cause any reaction with water or other kind of fire-extinguishers.

## 6. PROCEDURES IN CASE OF ACCIDENTAL ABRASIVE OUTFLOW

- |     |                                |   |
|-----|--------------------------------|---|
| 6.1 | Prevention for the persons:    | <b>Use dust-masks and specific safety goggles.</b>    |
| 6.2 | Prevention for the environment | <b>None.</b>  |
| 6.3 | PRemoval procedures:           | <b>Use a dust extractor or moisten and then brush</b> |

## 7. HANDLING AND STOCKING PROCEDURES

- |     |           |   |
|-----|-----------|---|
| 7.1 | Handling: | <b>Handle in ventilated room or avail of suction and filtering devices.</b>                     |
| 7.2 | Stocking: | <b>The product is very sensitive to moisture. Be sure that the package is carefully closed.</b> |

## 8. EXPOSURE AND STAFF PRECAUTIONS

- |     |                                  |  |
|-----|----------------------------------|--|
| 8.1 | Protection of respiratory tract: | <b>Use masks or similar protection devices.</b>                                    |
| 8.2 | Eye protection:                  | <b>Use glasses in case high dust concentration in the environment is detected.</b> |
| 8.3 | Hand and skin protection:        | <b>The use of gloves is recommended to avoid dermatitis.</b>                       |

## 9. CHEMICAL AND PHYSICAL PROPERTIES

Colour:	<b>White</b>
Odour:	<b>Odourless</b>
Physical condition:	<b>Solid - powder</b>
Specific weight:	<b>3,95 g / cm<sup>3</sup></b>
Volumetric weight:	<b>1,0 - 2,0 g / cm<sup>3</sup></b>
Melting point:	<b>2050° C</b>
Solubility in water:	<b>Insoluble</b>

## 10. STABILITY AND REACTIVITY

**The product is stable and does not cause dangerous reactions.**



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**11. TOXICOLOGICAL INFORMATION**

The corundum grains do not contain either quartz or fibrinogens.  
The product is not cancerogenic.

**12. ECOLOGICAL DATA**

Corundum is inert and can be easily separated in mechanic treatment plants.

**13. WASTE DISPOSAL**

This material is not dangerous for the environment, unless any external substance pollutes it. Put the blasting waste in closed containers and, provided the rules in force are complied with, corundum can be dumped without any additional precautions.

**14. CARE IN TRASPORT**

Not classified, not dangerous; the product suffers humidity.

**15. CLASSIFICATION AND LABELLING**

The product does not require particular labelling.

**16. ADDITIONAL INFORMATION**

All our knowledge has been honestly and correctly illustrated in the information sheet reported above. In consideration of the fact that the use of the product is out of our control, we deny any responsibility of losses and damages, which may directly or undirectly occur when using this information.

The Director of the Quality Service  
**BERTOTTI MASSIMO**