

1. IDENTIFICATION

- 1.1 Commercial Name: **Artificial White Corundum
ALUMINIUM OXIDE (all grainsize)**
- 1.2 Producer:
- 1.3 Dealer: **DENTALFARM S.r.l.**
via Susa, 9/A
10138 TORINO - ITALIA
tel. 011/4346632
fax 011/4346366

2. CHEMICAL COMPOSITION

Component	%	TWA	Cancerogenic
Al₂O₃	99,80	10 mg/m³	NO
Na₂O	0,10	0,5 mg/m³	NO
SiO₂ *	0,02	10 mg/m³	NO
Fe₂O₃	0,03	10 mg/m³	NO
TiO₂	0,04	10 mg/m³	NO
CaO + MgO	0,01	2 mg/m³	NO

* the silica contained in the corundum is chemically combined

3. WARNINGS

- 3.1 The exposition to high concentrations of corundum dusts might determine breathing troubles, eye irritations and eposal of microparticles along the respiratory tract and inside ears. Corundum is a high abradng material and it might cause skin irritations in case of friction.
- 3.2 In case of pre-existing illnesses related to the respiratory apparatus, such as bronchitis, emphysema and asthma, the clinical conditions might become worse.
- 3.3 The product is chemically inert and it does not involve any particular risk for the environment.

4. FIRST AID

- 4.1 Inhalation: **Go away from the dusty area, drink fresh water to clean your throat, blow your nose to eliminate the dust.**
- 4.2 Eye irritations: **Do not rub the eyes. Wash them carefully with water. In case of persisting irritation, contact a doctor.**
- 4.3 Skin irritations: **As above.**
- 4.4 Ingestion: **Not evaluated.**

5. FIRE AND EXPLOSION RISKS

None. This product is not inflammable and does not cause any reaction with water or other types of fire-extinguishers.

6. PROCEDURES IN CASE OF ACCIDENTAL ABRASIVE OUTFLOW

- 6.1 Prevention for the persons: **Use dust masks and specific safety glasses.**
6.2 Prevention for the environment: **None**
6.3 Removal procedures: **Use a vacuum cleaner or moisten and brush.**

7. HANDLING AND STOCKING PROCEDURES

- 7.1 Handling: **Handle in ventilated room or avail of suction and filtering devices.**
7.2 Stocking: **This product is very sensitive to moisture. Be sure that the container is well closed.**

8. EXPOSURE AND STAFF PRECAUTIONS

- 8.1 Protection of respiratory tract: **Use masks or similar protection devices.**
8.2 Eye protection: **Use glasses in case you notice a high dust concentration.**
8.3 Hand and skin protection: **The use of gloves is recommended to avoid dermatitis.**

9. CHEMICAL AND PHYSICAL PROPERTIES

Colour:	White
Odour:	Odourless
Physical condition:	Solid – sand grit
Specific weight:	3,95 g / cm³
Volumetric weight:	1,0 - 2,0 g / cm³
Melting point:	2050° C
Solubility in water:	Insoluble

10. STABILITY AND REACTIVITY

The product is stable and does not originate any dangerous reactions.

11. TOXICOLOGICAL INFORMATION

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. TRANSPORT CARE

Not classified, not dangerous; the product suffers humidity.

15. CLASSIFICATION AND LABELLING

The CAS (Chemical Abstract System) code for Al_2O_3 is 1344-28-1.
The product does not require any particular labelling.

16. FURTHER INFORMATION

The above reported information sheet contains the most correct information drawn up according to the best of our knowledge. 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 indirectly occur when using this information.

The Director of Quality Service
BERTOTTI MASSIMO

