

SAFETY DATA SHEET

PRODUCTS RELATED TO THIS MSDS

PRODUCT	MATERIAL
BRACKETS CERAMIC	AL2O3

IDENTIFICATION OF THE MATERIAL

Raw materials used are basically pure single crystal **Al₂O₃**.

CHEMICAL COMPOSITION

- Up to 99.99% Single Crystal Alumina

PHYSICAL - CHEMICAL PROPERTIES AND FLAMMABILITY

Appearance	Solid	Colour	Clear – Transparent
Odor	Odorless	Safety Data	None
Ph-value	None		
<i>Change of status</i>			
Bowling point	n.a.	Melting point	n.a.
Combustion rate	n.a.	Flammability	n.a.
Ignition temperature	n.a.	Auto-ignition temperature	n.a.
Comburent capability	n.a.	Explosion limit	n.a.
Vapour pressure	n.a.	Density at 20°	7,7 – 8.1 g/cm ³
<i>Solubility and scattering features</i>			
Soluble in water	Insoluble	Soluble in fat	Insoluble
Scattering coefficient	None		

REACTIVITY

Stability and reactivity: stable and not reactive

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HAZARDS IDENTIFICATION

Information on toxicity: no toxic effects caused by the material in massive form or during the usual orthodontic process have been noticed.

ORTHODONTIC MANUFACTURER SIA SRL

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Possible hazards during the working process:

- ⇒ **Effects of overexposure:** n.a.
- ⇒ **Possible cancer hazard:** n.a.
- ⇒ **Primary routes of entry:** inhalation of dust and fumes.
- ⇒ **Hazardous Decomposition Products:** Carbon Oxides.
- ⇒ **Eye Contact:** Occur Mechanical Irritation and damage