



MATERIAL SAFETY DATA SHEET

CERAMIC ORTHODONTIC BRACKETS

Document Number: MSDS-Ceramic	Revision Date: July 27, 2017	Material Type: Alumina Oxide
Revision: 0	Number of Pages: 2	

1-IDENTIFICATION

Ceramic Orthodontic Brackets
Norris Clear, Krystal SL, and Krystal

2-CHEMICAL INFORMATION / HAZARDOUS INGREDIENTS

Chemical Family: High pure Alumina Oxide, 99.998% ISO 6872, Silicone Dioxide 0.1%
Hazardous Components: None. Ceramic orthodontic brackets are not generally considered hazardous in the form they are shipped. Further grinding or cutting or any other procedure that causes a release of dust, hazardous levels of dust may be generated.

3-HEALTH HAZARD DATA

Not hazardous.

Ingestion: No documented irritations when using bracket in the form it is shipped.

Skin Contact: No documented irritations when using bracket in the form it is shipped.

Eye Contact: No documented irritations when using bracket in the form it is shipped.

Inhalation: No documented irritations when using bracket in the form it is shipped.

4-FIRST AID PROCEDURE

In case of releasing dust as described under Section 2, the following first aid procedures are recommended:

Ingestion: While ingestion of large enough quantities to cause health effects is unlikely, consult a physician if it occurs.

Skin Contact: Wash with water and mild detergent. Consult a physician.

Eye Contact: Flush thoroughly with water. Consult a physician.

Inhalation: Move person to fresh air until recovered. Consult a physician.

5-FIRE AND EXPLOSION HAZARD DATA

Non Flammable

Extinguishing Media: None

Fire and Explosion Hazard: None

Special Fire Fighting Procedures: None

6-SPILL OR LEAK PROCEDURE

Sweep up to avoid slipping hazards.

Environmental Precautions: None Special

Fire Fighting Procedures: None

7-HANDLING AND STORAGE

Precautions to be Taken in Handling and Storing: None

8-EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory Protection: Only required when cutting, grinding, or welding.

Skin Protection: Only required when cutting, grinding, or welding.

Eye Protection: Only required when cutting, grinding, or welding.

9-PHYSICAL AND CHEMICAL DATA

Appearance: Solid

Color: Translucent

Odor: Odorless

Solubility in Water: Insoluble

Melting Point: 1950°C

Boiling Point: Not Known

Flash Point: Non Flammable

Vapor Density: >1

Specific Gravity (H₂O=1): 2.5-5.0

10-STABILITY AND REACTIVITY

Stability: Stable Conditions

to Avoid: None

Incompatibility (Materials to Avoid): None

Hazard Polymerization: Will not occur.

11-TOXICOLOGICAL INFORMATION

This material is not hazardous in normal storage and handling.

12-ECOLOGICAL INFORMATION

No ecological effects are known.

13-DISPOSAL INFORMATION

Landfill in accordance with all applicable federal, state, and local regulations. The possibility of recycling must be proofed under local regulations.

14-NOTES ON TRANSPORT

Not dangerous according to current transportation regulations.

15-REGULATIONS

Identification according to EC-Directive. No obligatory indication. No obligatory information according to the ChemG BGBl.Nr. 53/1997 (Osterreich).

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16- MISCELLANEOUS

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