



Corporate Office
 2165 Earlywood Dr.
 Franklin, IN 46131
 (317) 346-6655

California Office
 1370 Decision St.
 Vista, CA 92081
 (760) 734-3995

www.ghortho.com

MATERIAL SAFETY DATA SHEET VAPOR CERAMIC ORTHODONTIC BRACKETS

Document Number: MSDS-033	Revision Date: June 02, 2014	Material Type: Alumina Oxide
Revision: A	Number of Pages: 2	

1-IDENTIFICATION

Ceramic Orthodontic Brackets

2-CHEMICAL INFORMATION / HAZARDOUS INGREDIENTS

Chemical Family: High pure Alumina Oxide, 99.998% ISO 6872

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.



Corporate Office
2165 Earlywood Dr.
Franklin, IN 46131
(317) 346-6655

California Office
1370 Decision St.
Vista, CA 92081
(760) 734-3995

www.ghortho.com

MATERIAL SAFETY DATA SHEET VAPOR CERAMIC ORTHODONTIC BRACKETS

Document Number: MSDS-033	Revision Date: June 02, 2014	Material Type: Alumina Oxide
Revision: A	Number of Pages: 2	

15-REGULATIONS

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

16-MISCELLANEOUS

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. The manufacturer assumes no responsibility for personal injury or property damage to vendees, users, or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material.