

COMPANY INFORMATION

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MONOCRYSTALLINE BRACKETS

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1 – IDENTIFICATION

COMPOSITION: AL203, >99.998%

GENERAL DESCRIPTION:

Metallic wires forming an arch, which are positioning on brackets on teeth to assists the orthodontic treatment. Used inside the mouth.

INDICATION: Orthodontic treatment.

2 – HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS: None
 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

SKIN: No hazards.
EYES: No hazards.
INHALATION: No hazards.
INGESTION: No hazards.

4 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Solid Transparent
PHYSICAL FORM: Solid
COLOR: Transparent
ODOR: No Odor
SOLUBILITY IN WATER: Insoluble
SPECIFIC GRAVITY: 3,970kg.m-3
BENDING STRENGTH: 180MPa
MELTING POINT: 2,043° C
BOILING POINT: 5,000° C
HARDNESS (KNOOP): 1,370kg.mm2
CONTENT: AL203 (>99.998% solid crystalline form)

5 – FIRE AND EXPLOSION DATA

FLASH POINT: N/A
EXTINGUISHING MEDIA: None
SPECIAL FIRE FIGHTING PROCEDURES: None
FIRE AND EXPLOSION HAZARD: None

6 – REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: None
HAZARDOUS POLYMERIZATION: Will not polymerize
DECOMPOSITION PRODUCTS: None

7 – EMERGENCY FIRST AID MEASURES

EYES: Flush thoroughly with water and consult a physician.
SKIN: Wash with water and mild detergent and consult a physician.
INHALATION: Move person to fresh air until recovered and consult a physician.

8 – HANDLING AND STORAGE

STORAGE TEMPERATURE (min/max): Store at normal room temperature.
SHELF LIFE: None
SPECIAL SENSITIVITY: N/A
HANDLING/STORAGE PRECAUTIONS: None

9 – SPECIAL PROTECTION

SKIN: Required when cutting, grinding or welding.
RESPIRATORY: Required when cutting, grinding or welding.
VENTILATION: Required when cutting, grinding or welding.
EYES: Use of eye protection during processing is recommended.

10 – SPILL OR LEAK PROCEDURES

ENVIORNMENTAL PRECAUTIONS: None

11 – DISPOSAL INFORMATION

Landfill in accordance with all applicable federal, state and local regulations.

12 – REGULATORY INFORMATION

Not applicable.

13 – DISCLAIMER OF WARRANTIES

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