

COMPANY INFORMATION

COMPANY NAME: ORTHO SPECIALTIES
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CERAMIC BUTTONS / EYELETS

DOCUMENT NUMBER:	SDS22
REVISION DATE:	10/10/2014
REVISION:	REV. D
NUMBER OF PAGES:	1

1 – PRODUCT IDENTIFICATION AND COMPOSITION

NAME: Ceramic Buttons / Eyelets
FORMULA: AL203, >99.998%

2 – HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS: None

Ortho Specialties GEM™ 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 / 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 HAZARD 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

ENVIRONMENTAL 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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