



**I – Identification of the Substance and of the Company**

SUPPLIER: RMO, Inc.  
650 W. Colfax Ave.  
Denver, CO 80204  
303-592-8200

Trade Name and Synonyms – Signature  
III, FLI Signature Clear  
Description: Ceramic Brackets

Emergency Information Chemtrec: 800-424-9300  
Chemtrec International: 202-483-7616

Product Grade / Name:  
Bracket: **HIGH PURE ALUMINA OXIDE,  
99,998%**  
Luxi Liner: **18 CARAT GOLD ALLOY**

**II – Composition / Information on Ingredients**

Ceramic:  
High Pure Alumina Oxide, 99,998%  
No hazardous ingredients.

Gold: (Arch Slot Insert; Synergy)  
Ingredients: Gold: 690-950/000  
Silver: 45-190/000  
Copper: <38/000  
Brass: <2/000  
No hazardous ingredients.

**III – Hazards Identification**

Products are not generally considered hazardous in the form they are shipped. Further grinding, cutting or any other procedure that causes a release of dust; hazardous levels of dust may be generated.

PRIMARY ROUTES OF ENTRY:

- Inhalation
- Eye Contact
- Skin Contact
- Ingestion

EMERGENCY FIRST AID:

No documented irritations when using the product in the form they are shipped.  
No documented irritations when using the product in the form they are shipped. May cause mechanical discomfort.  
No documented irritations when using the product in the form they are shipped.  
No documented irritations when using the product in the form they are shipped.

#### **IV – First Aid Measures**

In case of releasing dust as described above; the following first aid procedures are recommended.

- Ingestion: While ingestion of large enough quantities to cause health effects is unlikely, consult with 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.

#### **V – Fire Fighting Measures**

- Extinguisher Media: None
- Fire & Explosion Hazard: None
- Special Fire Fighting Procedures: None

#### **VI – Accidental Release Measures**

Sweep up to avoid slipping hazards.

#### **VII – Handling and Storage**

Precautions to be taken in handling and storing: None

#### **VIII – Exposure Controls / Personal Protection**

Personal Protective Equipment:

Personal Protection:

Respiratory:

Only required when cutting or grinding.

Eye Protection:

Approved safety glasses / goggles when grinding, cutting, etc.

Skin Protection:

Only required when cutting or grinding.

#### **IX – Physical and Chemical Properties**

Ceramic:

Appearance: Solid

Color: Translucent

Odor: Odorless

Solubility in Water: Insoluble

Melting Point: 1950 °C

Boiling Point: Not Known

Flash Point: Not Flammable

Vapor Density: >1

Specific Gravity: 2,5 – 5,0 (water=1)

Gold:

Appearance: Solid Metal

Color: Gold / Yellow

Odor: Odorless

Solubility in Water: Insoluble

Melting Point: >1000 °C

Boiling Point: >1500 °C

Flash Point: N/A

Vapor Density: N/A

Specific Gravity: 19,28

#### **X – Stability and Reactivity**

Stability:

Unstable ( ) Stable (X)

Conditions to Avoid: N/A

Incompatibility:

Material to Avoid: N/A

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Hazardous Decomposition Products:

None

Hazardous Polymerization:

May Occur ( ) Will Not Occur (X)

Conditions to Avoid: N/A

**XI – Toxicological Information**

This material is not hazardous in normal storage and handling.

**XII – Ecological Information**

Environmental: No special precautions.

No ecological effects are known.

**XIII – Disposal Considerations**

Landfill in accordance with all applicable Federal, State, and Local Regulations.

**XIV – Transportation Information**

Technical Shipping Name: Not regulated

Freight Class Bulk: N/A

Freight Class Package: N/A

Product Label: N/A

Hazard Class or Division: Non-Hazardous

Hazard Class Division Number: Not Hazardous by D.O.T. Regulations

**XV – Regulatory Information**

These products are manufactured using Good Manufacturing Practices and are regulated as Class I Medical Devices by the U.S. Food and Drug Administration, Class II by the Canada CMDR, and Class IIa by the Medical Device Directive 93/42 EEC for the European Community.

**XVI – Other Information**

Note: While the information and recommendations set forth on this data sheet are believed to be accurate as received from our suppliers, RMO, Inc. makes no warranty with respect thereto and disclaims all liability from reliance thereon.