

MATERIAL SAFETY DATA SHEET

according 91/155/EEC

EC-Certification Service GmbH.

Effective Date: 16.12.2014

PREMIUM CLEAR BRACKETS

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1. Product Information / Company

Product name: SAPPHIRE BRACKET
Chemical family: Single crystal aluminum oxide (Al₂O₃), zirconium oxide

Company: EC Certification Service GmbH
Sandgasse 39a
A-9300 St. Veit/Glan
Tel.: (0043) 4212 / 6094 / Fax.: (0043) 4212 / 6094-4
office@ec-c-at

Product information: Tel.: (0043) 4212 / 6094
Emergency Phone: Tel.: (0043) 4212 / 609430

2. Chemical Information / Hazardous Ingredients

Hazardous Components: none

Sapphire 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: While health effects caused by ingestion of large quantities is unlikely, consult a physician if it occurs

Skin contact: no documented irritations

Eye contact: no documented irritations

relevant rates: none

Inhalation: N/A

4. First Aid Procedure

none

5. Fire and Explosion Hazard Data

Extinguishing Media: Water spray, CO₂, Dry Chemical

Fire and Explosion hazard: none

Special Fire Fighting Procedures: none

6. Spill or leak procedure

Sweep up to avoid slipping hazards

Environmental precautions: none

7. Handling and Storage

Store in a cool dry place

Avoid contact to strong acids and oxidizing agents

Avoid temperature >140°C as this could damage the zirconia mesh

Eye Protection required when cutting, grinding or welding

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8. Exposure Controls and Personal Protection

Respiratory-Protection: not required
Skin-Protection: none
Eye-Protection: only required when cutting, grinding or welding
Parameters to be taken care of: none
prescribing limits that refer to the working area: none
Additional hints: none

9. Physical and Chemical Datas

Appearance: solid
Colour: clear
Odor: odorless
Solubility in water: insoluble
Melting point: not known
Boiling Point: not known
Flash point: >100 °C
Vapour Density: > 1
Specific Gravity: 3,15 g/cm³ (water=1)

10. Stability and Reactivity

Conditions to avoid: extreme temperatures for a long time
Incompatibility: contact to strong acids and oxidizing agents
Hazard Polymerisation: none

11. Toxicological Information

This material is not toxicological in normal storage and handling. However, all thermoplastic materials release some vapours or gases at high temperature.

12. Ecological Information

no ecological effects are known
water peril: none

13. Disposal Information

landfill in accordance with all applicable federal, state and local regulations
The possibility of recycling must be proofed under local regulations
Abfallschlüssel-Nr. nach ÖNORM S 2100: 57128 (Austria).

14. Notes on Transport

Not dangerous according to current transportation regulations.

15. Regulations:

Identification according to EC-Directive: no obligatory indication
No obligatory identification according to the ChemG BGBl.Nr. 53/1997 (Austria)

16. Miscellaneous

N/A = Not Applicable

relevant rates: none

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.
