

**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 – Alice  
Brackets, Clear Composite Brackets, FLI®  
Composite Brackets, Lingual Buttons, Bite  
Guides

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

Product Grade / Name:  
**Polyurethane**

**II – Composition / Information on Ingredients**

<u>MATERIAL</u>	<u>Wt. Percentage</u>	<u>CAS Number</u>
Methylenediphenyl Diisocyanate (MDI)	85 – 95	101-68-8
1,1' – Methylenebis [isocyanatobenzene] (MDI) - 2,2,2,4 Methylene-diphenyl diisocyanate (MDI)	5 -15	26447-40-5

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

**III – Hazards Identification**

Not a hazardous material

Ingestion: While health effects caused by ingestion of large quantities is unlikely; consult a physician if this occurs.

Skin Contact: No documented irritation

Eye Contact: No documented irritation

Inhalation: Not Applicable

**IV – First Aid Measures**

None needed

**V – Fire Fighting Measures**

Extinguishing Media:	Water spray, CO2, Dry Chemical
Fire and Explosion hazard:	None
Special Fire Fighting Procedures:	None

**VI – Accidental Release Measures Sweep up to**

avoid slipping hazards Environmental precautions:	None
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**VII – Handling and Storage**

- Store in a cool, dry place.
- Avoid contact with strong acids and oxidizing agents.
- Avoid temperatures greater than 140° C because the product contains a burnable polymer.
- Eye protection required when cutting, grinding or welding.

**VIII – Exposure Controls / Personal Protection**

Respiratory Protection:	None required
Skin Protection:	None required
Eye Protection:	Only required when cutting, grinding, or welding.

**IX – Physical and Chemical Properties**

Appearance:	Solid plastic		
Color:	Clear transparent		
Odor:	Odorless		
Solubility in water:	Insoluble		
Melting Point:	Not known		
Boiling Point:	Not known		
Flash Point:	>100° C		
Shore D-hardness:	DIN 53505	points	90 min
Tensile Strength:	DIN 53455	N/mm2	54 ± 5
Tensile Elongation:	DIN 53455	%	27 ± 3
Flexural Strength:	DIN 53452	N/mm2	90 ± 5
Bending Elongation	DIN 53452	%	12 ± 3
Modulus in flexure:	DIN 53457	°C	95 ± 5

**X – Stability and Reactivity**

Conditions to avoid: extreme temperatures for a long time

Incompatibility: contact to strong acids and oxidizing agents

Hazard Polymerization: none

**XI – Toxicological Information**

ND – No data available

**XII – Ecological Information**

No ecological effects are known.

**XIII – Disposal Considerations**

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

The possibility of recycling must be proofed under local regulations.

**XIV – Transportation Information**

Not dangerous according to transportation regulations.

**XV – Regulatory Information**

Identification according to EC-Directive: no obligatory indication.

No obligatory identification according to the Chemo BGBl.Nr 53/1997 (sterreich)

**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.