



# SAFETY DATA SHEET

Complies with OSHA Standard 29 CFR 910.1200

Composite  
Eyelet and  
Bite Ramp

## 1. Product and Company Identification

**Product Name:** Composite Eyelets and Bite Ramps  
**Manufacturer Name:** Phoenix Orthodontics  
**Manufacturer Address:** 3250 Palladian Village Drive  
Marietta, GA 30066  
**Business Phone:** 770-643-8896  
**Emergency Phone:** 770-643-8896  
**Revision Date:** May 1, 2020

## 2. Hazard(s) Identification

Composite Eyelets and Bite Ramps 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. Composition/Information on Ingredients

Chemical Family: Polyurethane

Hazardous Components:	Ingredient	Wt. Percent	CAS Number
	Methylenediphenyl diisocyanate (MDI)	0.2-0.5%	101-68-8
	1,1'-Methylenebis isocyanatobenzene]	5-15%	26447-40-5
	[ (MDI) - 2,2,2,4 Methylene-diphenyl diisocyanate (MDI)		

## 4. First Aid Measures

None

## 5. Fire Fighting Measures

Extinguishing Media: Water spray, CO<sub>2</sub>, Dry Chemical  
Fire and Explosion Hazard: None  
Special Fire Fighting Procedures: None

## 6. Accidental Release Measure

Sweep up to avoid slipping hazards.  
Environmental Precautions: None. Dispose in accordance with local regulations.

## 7. Handling and Storage

Storage: Store in a cool, dry place.  
Avoid contact to strong acids and oxidizing agents.  
Avoid temperature > 140°C because product contains burnable polymer.  
Handling: Avoid contact to strong acids and oxidizing agents.  
Eye protection required when cutting, grinding, or welding.

## 8. Exposure Controls and Personal Protection

Respiratory-Protection: Not required  
Skin-Protection: None  
Eye-Protection: Only required when cutting, grinding, or welding.

## 9. Physical and Chemical Data

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	78 MIN
Tensile Strength:	DIN 53455	N/mm <sup>2</sup>	54 ± 5
Tensile Elongation:	DIN 53455	%	27 ± 3
Flexural Strength:	DIN 53452	N/mm <sup>2</sup>	90 ± 5
Bending Elongation:	DIN 53452	%	12 ± 3
Modules in Flexure:	DIN 53457	°C	95 ± 5

## 10. Stability and Reactivity

Conditions to Avoid:	Extreme temperatures for a long period of time.
Incompatibility (materials to avoid):	Contact to strong acids and oxidizing agents.
Hazard Polymerization:	None

## 11. Toxicological Information

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

## 12. Ecological Information

No ecological effects are known.

## 13. Disposal Considerations

Landfill in accordance with all applicable federal, state and local regulations. The possibility of recycling must be proofed under local regulations.

## 14. Transport Information

Not dangerous according to current transportation regulations.

## 15. Regulatory Information

No obligatory indication.

## 16. Other Information

NEFP Hazard Classification

Health: 0

Flammability: 0

Instability: 0

Special Hazards: 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.

The information provided in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.