



SAFETY DATA SHEET

Complies with OSHA Standard 29 CFR 910.1200

Crystal Clear
Twin System

1. Product and Company Identification

Product Name: Crystal Clear Twin System
Chemical Family: Medical grade Copolymer
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. Hazardous Identification

Clear Copolymer 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.

Hazardous Components: None
Dangers Instructions: None
Safety Instructions: None

Precautionary Statements

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

3. Composition/Information on Ingredients

Components: Mixture of Polyetherpolyol / Isophorene Dilsocyanate / Aluminum Oxide
Blending Ratio: 1 : 1 . 6 : 0.1

4. First Aid Measures

In case of releasing dust as described under Section 2, the following first aid procedures are recommended:

Ingestion: While ingestion of large enough quantities to cause health effects is unlikely, consult a physician if it occurs.
Skin Contact: No documented irritations
Eye Contact: No documented irritations
Inhalation: N/A

5. Fire Fighting Measures

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 because product contains burnable polymer.
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.
Parameters to be taken care of:	None
Prescribing limits that refer to the working area:	None
Additional Hints:	None

9. Physical and Chemical Data

Appearance:	Solid plastic
Color:	Clear
Odor:	Odorless
Solubility in Water:	Insoluble
Melting Point:	Not known
Boiling Point:	Not known
Flash Point:	> 100° C
Vapor Density:	> 1
Relative Density (H ₂ O):	Approximately 1.7
Specific Gravity:	1,15 g/cm ³ (water = 1)

10. Stability and Reactivity

Conditions to Avoid:	Extreme temperatures for a long time.
Incompatibility:	Contact to strong acids and oxidizing agents.
Hazard Polymerization:	None

11. Toxicological Information

This material is not toxicological 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.
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.

14. Transport Information

Not dangerous according to current transportation regulations.

15. Regulatory Information

No obligatory indication.

16. Miscellaneous

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.