

Section I - IDENTIFICATION

Product Name: Elastomeric Ligature Ties: Standard Mini Stix, Super Slick® Mini Stix (ligature only,

for coating see Super Slick Coating SDS), Standard Carousel Dispensers, Standard Carousel Refills / Slip Free Zing-O® String / Slip Free Zing String / Bump-R-Sleeve® Tubing / E-Links® / E-Chain / Super Slick Chain® (Chain only, for coating see Super Slick® Coating SDS) / E-Kits / Separators: Super Slick Stick® (separator only, for coating see Super Slick Coating SDS), Super Slick Sep-A-Rings® Stix (separator

only, for coating see Super Slick Coating SDS), Original Sep-A-Rings®

Common Name: Orthodontic Elastomers

Material: Thermoplastic Polyurethane (TPU)

Recommended Use: TP Orthodontics' products are intended for use in orthodontic treatment.

Restrictions on Use: TP Orthodontics' products are intended for use by trained dental professionals and

orthodontists, who have the primary responsibility to identify any possible

contraindications that may preclude the use of this product. U.S. Federal law restricts

this device to sale by or on the order of a dental professional.

Product Manufacturer: TP Orthodontics, Inc.

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Available during normal business hours: Monday-Thursday 7am to 5pm CST and

Friday 7am to 12pm CST

Section II - HAZARD IDENTIFICATION

<u>General Hazard Statement:</u> As per OSHA Regulation 29 CFR 1910.1200, Thermoplastic polyurethane parts are classified as articles and do not constitute a hazardous material in their solid form. The products covered by this document are manufactured items which are assembled to a specific shape and design and are generally classified as non-hazardous in their shipped form.

This product is considered an article and does not release or otherwise result in exposure to a hazardous material under normal use conditions. However, some hazardous elements contained in these products may be emitted under certain processing conditions such as grinding, burning, or melting. The first-aid and fire-fighting measures below are for hazardous materials which may be emitted during processing. Products in their solid form do not present a fire or explosion hazard.



Section III - COMPOSITION/ INFORMATION ON INGREDIENTS

Mixtures: *

Ingredient(s)	CAS No.	EC No.	wt%
Thermoplastic Polyurethane	Proprietary	Proprietary	Proprietary
Titanium Dioxide	13463-67-7	236-675-5	Proprietary

^{*}No minor components need to be disclosed according to the applicable regulations.

Section IV - FIRST-AID MEASURES

Skin: Wash skin with soap and water, if rash develops, seek medical attention.

Eyes: Flush with plenty of water for 15 minutes; seek medical attention if irritation persists.

Ingestion: Do not induce vomiting. Call a physician or Poison Control Center immediately. Drink

plenty of water. Never give anything by mouth to an unconscious person.

Inhalation: Move into fresh air. If breathing difficulty occurs, get prompt medical attention.

Section V - FIRE-FIGHTING MEASURES

Flash Point and Method: 482° F

Flammability Limits: Not applicable

Auto-ignition Temperature: >765°F

Melting Point: 428° F

General Hazard: Not applicable

Firefighting Instructions: No special instructions for product shipped

Firefighting Equipment: Self-contained breathing apparatus recommended

Combustion Products: Burning releases carbon monoxide, carbon dioxide, and oxides of nitrogen. In the

event of fire and do not breathe fumes

Section VI - ACCIDENTAL RELEASE MEASURES



General: If accidentally released, gather product and store properly. As shipped the product

does not pose a hazard to the environment.

Section VII - HANDLING AND STORAGE

Storage Temperature: No special requirement.

Storage Pressure: Not applicable

General Storage: Store away from acids, bases, and oxidizers.

Section VIII - EXPOSURE CONTROLS/ PERSONAL PROTECTION

Personal Protection Equipment

Eyes: Safety glasses recommended.

Skin: Gloves recommended when handling thermoplastic polyurethane.

The use of local exhaust ventilation is recommended to control emission near the source of thermoplastic polyurethane being melted.

Section IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Various colors	
Odor	Mostly odorless	
Physical State	Solid	
рН	N/A	
Melting/Boiling Point	MP: 428° F	
Flash Point	482° F	
Evaporation Rate	N/A	
Flammability	N/A	
Vapor Pressure	N/A	
Vapor Density	N/A	
Relative Density	1.1 g/cm^3	
Solubility in water	Insoluble	
Auto-ignition Temp	>765°F	
Decomposition Temp	N/A	
Viscosity	NA	

Section X - STABILITY AND REACTIVITY



Stability: Product is Stable and hazard polymerization will not occur.

Reactivity: None for the product as shipped.

Incompatible Material: Acids, bases, and oxidizers.

Section XI - TOXICOLOGICAL INFORMATION

Thermoplastic polyurethane fumes and dust toxicological information is not applicable for this manufactured item in its shipping form.

Section XII - ECOLOGICAL INFORMATION

There is no data available.

Section XIII - DISPOSAL CONSIDERATIONS

General: If byproducts need to be treated and/or disposed of as wastes, hazardous wastes

characterizations must be performed prior to treating and \or disposing. Contact appropriate parties to ensure compliance with all federal, state and local rules and

regulations related to waste treatment and disposal.

Section XIV – TRANSPORTION INFORMATION

Not regulated by DOT.

Section XV - REGULATORY INFORMATION

TSCA (Toxic Substances Control Act):

Not Applicable

CERCLA (Comprehensible Response & Liability Act):

Not Applicable

SARA Title III (Superfund Amendments & Reauthorization Act):

311/312 Hazardous Categories – not applicable for storage of items as shipped,

however if processed, end product may require reporting.

California Safe Drinking Water Act (Prop 65) listing:

Not Applicable



Section XVI – OTHER INFORMATION

All the information is collected from Supplier certificate of analysis, manufacturing process, technical files and known history from 70 years of experience and is believed to be correct as of the date issued.

By supplying above information, TP Orthodontics, Inc. assumes no legal responsibility of any kind for the accuracy, completeness, or use of the data supplied as well as the product mentioned in the foreclosure