

SAFETY DATA SHEET

PRODUCTS RELATED TO THIS MSDS

ELASTOMERIC LIGATURES

ELASTOMERIC CHAINS

ELASTIC TUBES & THREAD

ELASTIC INTRA/EXTRA ORAL

ELASTOMERIC SEPARATORS

ROTATION WEDGES

IDENTIFICATION OF THE MATERIAL

Polyurethane

CHEMICAL COMPOSITION

Polyurethane from Methylenediphenyl CAS# 03783-28-1 >98%

Disocyanate, 1,

4-butanediol,

Polytetramethylene glycol Additives <2%

PHYSICAL - CHEMICAL PROPERTIES AND FLAMMABILITY

Appearance	Solid plastic	Color	Translucent
Odor	Odorless	Safety Data	None
Ph-value	None		
<i>Change of status</i>			
Bowling point	n.a.	Melting point	n.a.
Combustion rate	n.a.	Flammability	> 100°C
Ignition temperature	n.a.	Auto-ignition temperature	n.a.
Comburent capability	n.a.	Explosion limit	n.a.
Vapor density	> 1	Density at 20°	1,22 g/cm ³
<i>Solubility and scattering features</i>			
Soluble in water	Insoluble	Soluble in fat	Insoluble
Scattering coefficient	None		

REACTIVITY

⇒ **Stability and reactivity:** stable and not reactive

ORTHODONTIC MANUFACTURER SIA SRL

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HAZARDS IDENTIFICATION

Information on toxicity: This material is not hazardous in normal storage and handling. However, all thermoplastic materials release some vapours or gases at high temperature.

Possible hazards during the working process:

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
Inhalation: N/A

EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory-Protection: not required
Skin-Protection: none
Eye-Protection: only required when cutting, grinding or welding

FIRE AND EXPLOSION HAZARD DATA

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

MISCELLANEOUS

N/A = Not Applicable

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