

# SAFETY DATA SHEET

## SECTION 1. IDENTIFICATION



Great Lakes Orthodontics  
200 Cooper Ave  
Tonawanda, NY 14150

716-871-1161  
800-828-7626  
CHEMTREC: 800-424-9300

**Product Name:** Temporary Splint, Tenite  
**Product Number:** 021-082  
025-038

Effective Date: 11/14/12

## SECTION 2. HAZARDOUS IDENTIFICATION

Human Effects and Symptoms of Overexposure:

None expected.

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

### Hazardous Components

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

## SECTION 4. FIRST AID MEASURES

### Skin Contact

If burned by contact with molten material, cool as quickly as possible with water and see a physician for removal of adhering material and treatment of burn.

## SECTION 5. FIRE FIGHTING MEASURES

### Suitable Extinguishing Media

Water spray, Dry chemical, Carbon Dioxide (CO<sub>2</sub>)

### Special Fire Fighting Procedures

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### Unusual Fire / Explosion Hazards

Refer to NFPA Pamphlet #63, "Prevention of Dust Explosions in Industrial Plants", if this material is to be reduced to or collected as a powder.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **Spill and Leak Procedures**

Collect and contain for salvage or disposal.

## **SECTION 7. HANDLING & STORAGE**

No special precautions are known.

## **SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **Ventilation Measures**

- Local Exhaust – If needed to control fumes.
- Mechanical (general) – recommended.

### **Hygiene Measures**

Good industrial hygiene practices should be followed which include minimizing inhalation of dusts, vapors, and degradation products. A threshold limit value (TLV) has not been established; however, ventilation adequate to maintain dust concentrations below the TLV for nuisance particulates (30 mppel or 10mg/m<sup>3</sup>) should be provided.

### **Hand Protection**

Protective gloves should be worn to protect against thermal burns.

### **Eye Protection**

Safety glasses should be worn in any type of industrial setting.

### **Additional Protective Measures**

Safety shower.

## **SECTION 9. PHYSICAL & CHEMICAL PROPERTIES**

- **Appearance** – Pellets
- **Odor** – Characteristic odor
- **Flash Point** – not applicable
- **Lower Explosion Limit** – Not applicable
- **Upper Explosion Limit** – Not applicable
- **Vapor Pressure** – Not Applicable (non-volatile)
- **Solubility in Water** – Negligible
- **Boiling Point** – not applicable
- **Vapor Pressure** – Not applicable (non-volatile)
- **Vapor Density (AIR=1)** – not determined
- **Specific Gravity (H<sub>2</sub>O=1)** – 1.26 to 1.29 (varies with flow)
- **Percent Volatile By Volume (%)** – Not applicable
- **Evaporation Rate** – Not applicable

## **SECTION 10. STABILITY & REACTIVITY**

**Hazardous Reactions** – Hazardous polymerization does not occur.

**Stability** – Stable

**Materials to Avoid** – Oxidizing materials can cause a reaction.

**Conditions to Avoid** – None known

**Hazardous Decomposition Products** – As with any organic material, combustion will produce carbon dioxide and probably carbon monoxide.

## **SECTION 11. TOXICOLOGICAL INFORMATION**

Toxicity Data for Copolyester:

**Acute oral toxicity**

- LD60: > 3,200 mg/kg (Rat, Male)
- LD50: > 3,200 mg/kg (Mouse, Male)

**Acute dermal toxicity**

- LD50: > 1,000 mg/kg (Guinea Pig)

**Skin Irritation**

- Guinea pig, slightly irritating

**Eye Irritation**

- Rabbit, slightly irritating
- Guinea pig, non-irritating

## **SECTION 12. ECOLOGICAL INFORMATION (non-mandatory)**

Not applicable

## **SECTION 13. DISPOSAL CONSIDERATIONS (non-mandatory)**

**Waste Disposal Method**

Incineration or landfill. Observe all Federal, State, and local laws concerning health and environment.

## **SECTION 14. TRANSPORT INFORMATION (non-mandatory)**

Not applicable

## **SECTION 15. REGULATORY INFORMATION (non-mandatory)**

Not applicable

## **SECTION 16. OTHER INFORMATION (non-mandatory)**

Not applicable