



23 Frank Mossberg Drive · P.O. Box 2967 · Attleboro, MA 02703-0967

Tel: (508) 226-5660  
Cust. Serv: (800) 243-9942  
Fax: (508) 226-5473  
Toll Free Fax: (800) 531-2685  
<http://www.sterngold.com>

Alloys  
Attachments  
Implants  
Restorative Systems

## MATERIAL SAFETY DATA SHEET

Stern-Tek Custom Tray Material  
Stern-Tek Base Plate Material

Revision Date: June 2001

---

Product: **Stern-Tek Custom Tray Material/Base Plate Material**  
Description: **Custom Tray Material and Base Plate Material**  
Chem Fam: **Preparation of acrylic resin, glass powder and silica.  
Contains urethane dimeth/acrylate, aliphatic dimethacrylate,  
Aromatic dimeth/acrylate**  
Product No.: **222001/222002/222003/222004/222005**

---

### SECTION II - HAZARDOUS INGREDIENTS

None, if handled according to directions.  
Irritating to eyes, respiratory system and skin.

---

### SECTION III - PHYSICAL DATA

Appearance: paste in different colorations  
Odor: esterlike, weak  
pH-value: not applicable  
Changes in physical state:  
Decomposition temperature: >ca.200°C  
Flashpoint: >150°C  
Explosion properties: not established  
Vapor pressure: <1 mbar / 20°C  
Rel. vapor density: >1  
Density: ca. 1.8 g/cm<sup>3</sup>  
Solubility in water: ca. 1g/l / 20°C

---

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Extinguishing media: Powder, sand, foam, carbon dioxide, and water spray.  
Not suitable extinguishing media: direct jet of water

---

### SECTION V - FIRST AID MEASURES

In case of inhalation: In case of prolonged exposure take patient to open air.  
In case of skin contact: Wash with soap and water.  
In case of eye contact: Rinse with plenty of water, consult a physician.  
In case of ingestion: Immediately seek medical advice.

# MATERIAL SAFETY DATA SHEET

Stern-Tek Custom Tray Material  
Stern-Tek Base Plate Material

Revision Date: June 2001

---

## SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal precautions: Use only in well ventilated areas.  
Environmental precautions: Do not empty into drains.  
Methods of cleaning up: Take up mechanically.

---

## SECTION VII - HANDLING AND STORAGE

### *Handling:*

Technical measures: Keep container tightly closed.  
Safe handling advice: Wear suitable gloves. Avoid contact with eyes.

### *Storage:*

Technical measures: Keep container in a well-ventilated place.  
Storage conditions: Keep container tightly closed. Keep in a dark, cool place.  
Recommended packaging material: Container of solvent-stable plastics.

---

## SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

### *Engineering measures:*

Use only in well-ventilated areas.

### *Personal protective equipment:*

Respiratory protection: Do not breathe vapor.  
Hand and skin protection: Rubber gloves  
Eye protection: Goggles  
Hygiene measures: When using do not eat or drink.

---

## SECTION IX - STABILITY AND REACTIVITY

Thermal decomposition: at ca.200°C No decomposition, if handled according to directions.  
Hazardous reactions: None, if handled and stored according to directions.  
Conditions to avoid: Heat, light.  
Materials to avoid: Free radicals, reducing agents, and heavy metal ions.  
Hazardous decomposition products: In case of fire acrid acrylic fumes. Cures on exposure to visible or UV-light.

---

## SECTION X - TOXICOLOGICAL INFORMATION

Acute oral toxicity: LD50 (Rate)> 5000 mg/kg  
Irritation of skin: Irritating on prolonged exposure  
Irritation of eye: Irritating on prolonged exposure  
Specific effects: Allergic reactions to meth/acrylates are possible.

## MATERIAL SAFETY DATA SHEET

Stern-Tek Custom Tray Material  
Stern-Tek Base Plate Material

Revision Date: June 2001

---

### SECTION XI - ECOLOGICAL INFORMATION

Do not discharge into drains or the environment  
Persistence and degradability: No data available for the preparation

---

### SECTION XII - DISPOSAL CONSIDERATIONS

Waste from residues: Use proper landfill disposal or incineration in accordance with local, state and federal regulations

---

### SECTION XIII - TRANSPORT INFORMATION

Additional Information: Not dangerous cargo

---

### SECTION XIV - REGULATORY INFORMATION

Labeling according international regulations: Xi, Irritant, Contains meth/acrylic ester

**Symbols of danger:** St. Andrew's cross  
**R-phrases:** 36/37/38  
Irritating to eyes, respiratory system and skin

**S-phrases:** 26 - 28  
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
After contact with skin, wash immediately with plenty of water and soap.

---

### SECTION XV - OTHER INFORMATION

None

---

The data given here is based on current knowledge and experience. The data does not signify any warranty with regard to the product's properties.