

# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** EPIC® - TMPT COMPOSITE **STOCK NO:** S360, etc.  
**DOT HAZARD LABEL:** None **UN NUMBER:** None  
**PROPER SHIPPING NAME:** None **DATE PREPARED:** 08/10/06  
**NFPA CODES:** HEALTH -1 FLAMMABILITY - 0 REACTIVITY -1

## SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS NUMBER	PEL	TLV	%
Di-2-Methacryloxyethyl	No number	NA	NA	
2,2,4-trimethylhexamethylenedicarbamate				
Amorphous micro silica (SiO <sub>2</sub> )	61790-53-2	80 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	

## SECTION III - PHYSICAL & CHEMICAL CHARACTERISTICS

**BOILING POINT:** +300° F **SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 1.43 (paste)  
**VAPOR PRESSURE:** Almost 0 **PERCENT VOLATILES:** Almost 0  
**VAPOR DENSITY (Air = 1):** NE **EVAPORATION RATE (Butyl Acetate = 1):** Almost 0  
**APPEARANCE AND ODOR:** Tan paste without odor.

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT** +300° F **FLAMMABLE LIMIT (air, % by vol.)** **UPPER:** N E **LOWER:** N E  
(TCC):

**EXTINGUISHER MEDIA:** Foam, dry chemical, carbon dioxide.

**SPECIAL FIRE FIGHTING PROCEDURES:** During emergency conditions, overexposure to thermal decomposition products may cause health hazard. Self contained breathing apparatus should be worn.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** When exposed to flame, emits toxic fumes and gases.

## SECTION V - REACTIVITY DATA (PHYSICAL HAZARDS)

**STABILITY:**  STABLE  UNSTABLE

**CONDITIONS TO AVOID:** Heat and light.

**INCOMPATIBILITY (Materials to avoid):** Polymerization catalyst (peroxides, persulfates, light, heat, nitric acid and other strong oxidizers, ammonia and amines, halogens and halogen compounds).

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal-oxidative degradation can produce toxic and corrosive materials, including carbon monoxide.

**HAZARDOUS POLYMERIZATION:**  MAY OCCUR  WILL NOT OCCUR

**CONDITIONS TO AVOID:** Hazardous polymerization may occur, especially when heated or catalyzed.

## SECTION VI - HEALTH HAZARD DATA

**PRIMARY ROUTE(S) OF ENTRY:**  EYES  SKIN INHALATION  INGESTION

**HEALTH HAZARDS (Acute & Chronic):** Ingestion may cause headache, dizziness, nausea, tinnitus, dyspnea, etc. May cause corrosion after contact is made with human eyes. Primary irritant on human skin, repeated prolonged contact can cause irreversible damage to human skin. Inhalation is not hazardous unless heated at high temperature. When heated, vapor can cause irritation of the upper respiratory tract and mucous membranes, and, high concentrations can cause symptoms similar to those which may be experienced upon ingestion.

**SIGNS & SYMPTOMS OF EXPOSURE:** See above.

**CARCINOGENECITY:**  NTP?  IARC MONOGRAPHS?  OSHA?

## EMERGENCY AND FIRST AID PROCEDURES:

**INHALATION:** Remove victim to fresh air. If cough or other respiratory symptoms develop, consult medical personnel. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Consult medical personnel.

**EYES:** Immediately flush with copious amounts of water for at least 15 minutes. Get medical attention.

**SKIN:** Wash skin with copious amounts of soap and water. Wash contaminated clothing and decontaminate footwear before reuse.

**INGESTION:** Induce vomiting. Get medical attention immediately.

## SECTION VII - SPECIAL PRECAUTIONS AND SPILL OR LEAK PROCEDURES

**PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE:** Do not store under pure nitrogen or sparge with nitrogen or oxygen-free gas. Store away from direct sunlight, source of heat, and polymerization catalyst mentioned in SECTION V.

**OTHER PRECAUTIONS:** Prevent contact with eyes, skin, or clothing. Do not ingest.

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Clean-up small spills and residues with absorbent paper or cloth towel.

**WASTE DISPOSAL METHODS (Consult federal, state, and local regulations):** Dispose of in accordance with Federal, State, and local regulations.

## SECTION VII - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

**RESPIRATORY PROTECTION:** NIOSH approved respiratory protection for organic gases, if needed.

**VENTILATION:** General ventilation and local exhaust ventilation where gas evaporation can occur (very high temperature or such).

**PROTECTIVE GLOVES:** Rubber or PVC Gloves.

**EYE PROTECTION:** Safety glasses or full face shield.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Safety shower and eyewash station.

**WORK/HYGIENIC PRACTICES:** Wash hands before eating, drinking or smoking.

*The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.*