

# Synthetic Creation Systems

## Material Safety Data Sheet

### 1. Chemical Product and Company Identification

Synthetic Creation Systems  
3838 Guernsey Ave.  
Stockton, California 95215

Telephone Number: (209) 948-0328  
24-Hour Emergency Telephone  
Number: (866) 719-5397

Product Name: Thermoplastic Sealer

HMIS Classification:    H    F    R    PP  
                                 2    3    0    G

Prepared By: Boulder Image Loss Control  
Preparation Date: April 05, 2002  
Review Dates: April 05, 2002

### 2. Composition, Information on Ingredients

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV OTHER	mm HG @ TEMP	WT %
* Toluene	1330-20-7	100 PPM	100 PPM	38.0 @ 68F	80

\* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and 40 CFR 372.

### 3. Physical / Chemical Characteristics

Boiling Point: 230 deg F  
Vapor Density: Heavier than air  
Coating V.O.C.: 6.03 lb/GL (723 G/L)  
Appearance & Odor: Pigmented or clear material w/ solvent odor.

Specific Gravity (H2O=1): 0.9  
Evaporation Rate: Slower than ether  
Solubility In Water: N/A

### 4. Fire and Explosion Hazard Data

Flash Point: 45 deg F  
Flammable Limits in Air by Volume - Lower: 1.2%  
Extinguishing Media: Foam, CO2, Dry Chemical  
Method Used: TCC  
Upper: 7%

Special Firefighting Procedures: Use full protective equipment including self-contained breathing apparatus. Water may be ineffective, if used, fog nozzles are preferable. Water may be used to cool containers to prevent pressure build up, explosion and possible auto ignition.

Unusual Fire and Explosion Hazards: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and flames. Closed containers may explode when exposed to extreme heat. Overexposure to product may cause health hazard. Symptoms may not be immediately apparent. Seek medical attention. Vapors are heavier than air and will collect in low or poorly vented areas.

### 5. Reactivity Data

Stability: Stable  
Conditions to avoid: Avoid over exposure to liquid or vapors. Keep away from heat and all other ignition sources. Avoid build-up of vapors.  
Incompatibility (Materials to Avoid): None Known  
Hazardous Decomposition or Byproducts: If by fire, carbon dioxide and carbon monoxide.  
Hazardous Polymerization: Will not occur.

## 6. Health Hazard Data

**Inhalation Risks and Symptoms of Exposure:** Headache, dizziness, nausea, loss of coordination, or unconsciousness are symptoms of exposure to vapors or mist.

**Skin and Eye Contact Health Risks and Symptoms of Exposure:** Exposure to skin or eyes may cause redness, burning, or itching sensations. Symptoms range from mild to severe.

**Skin Absorption Health Risks and Symptoms of Exposure:** Will cause burning and irritation. May cause chemical burns of various degrees.

**Ingestion Health Risks and Symptoms of Exposure:** Ingestion may yield nausea.

**Health Hazards (Acute and Chronic):** **Acute:** Exposure to eyes, skin and respiratory tract may cause burning and irritation. May also cause nervous system depression. Extreme overexposure may cause unconsciousness or possibly death. **Chronic:** Prolonged exposure to solvent ingredients in Section II may cause adverse effects to the liver, urinary tract and reproductive systems. Reports have associated repeated and prolonged overexposure to permanent brain and nervous system damage.

**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? Yes

None of the ingredients in the product are IARC, OSHA, NTP listed as carcinogens.

**Medical Conditions Generally Aggravated by Exposure:** Dermatitis or lung disorders.

**Emergency and First Aid Procedures:** On body, wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before reuse. In eyes, rinse with water until burning stops. If inhaled, remove victim to fresh air. Restore breathing if required. Keep calm and warm. In all cases, medical attention may be necessary.

## 7. Precautions for Safe Handling and Use

**Steps to be taken in Case Material is Released or Spilled:** Remove all sources of ignition. Ventilate and remove with inert absorbent.

**Waste Disposal Method:** This product may be classified as a hazardous waste by federal and local laws, for the purpose of disposal. Dispose of material in accordance with all local, state and federal regulations. If incinerated, do not burn in closed containers.

**Precautions to be taken in Handling and Storage:** Keep away from sources of ignition while in use and until vapors have been dissipated. Extinguish all flames, heaters and pilot lights. Turn off all electrical appliances. Do not smoke. Consult NFPA code. Use grounding procedures. Transfer only in appropriate containers. Do not take internally. Keep out of reach of children. Keep containers sealed.

**Other Precautions:** Store containers in a cool, dry place. Intentional concentration and inhalation of vapors may be harmful or fatal. When transporting material, avoid build up of vapors in vehicle as these vapors are hazardous and may impair driving ability.

## 8. Control Measures

**Respiratory Protection:** If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted, NIOSH approved, organic vapor / particulate respirator.

**Ventilation:** If necessary, ventilate at floor level to avoid hazardous or explosive concentrations of vapors. Fans should be equipped with explosion proof motors. Positive air pressure is recommended.

**Protective Gloves:** Use only gloves designed to resist the solvents in SECTION II.

**Eye Protection:** Use protective eyewear with side shields.

**Other Protective Clothing or Equipment:** When spraying, rolling or brushing, protect person from exposure from drip, mist or splatter through use of complete body covering. A source of fresh water for flushing eyes or skin in case of splash or spill.

**Work / Hygienic Practices:** While using this product, good, clean work practices are expected. Wash contaminated clothes before reuse.

**NOTE:** The above information is based on current formulation and information available at this time. Since conditions of use are outside our control we make no warranties, expressed or implied, and assume no responsibility or liability in connection with any use of this information.