



**Spartech Polycast**

**Cell Cast Acrylic**

70 Cartisle Place  
Stamford, CT 06902

**T E C H N I C A L B U L L E T I N**

**MATERIAL SAFETY DATA SHEET**

Date Issued: 06/12/2007

**SECTION 1: PRODUCT:**

SPARTECH POLYCAST ACRYLIC SHEET  
CODE: UVA, Poly II, Poly 76, Poly 84, BR, PVHO, RMG  
UF-3, UF4, UVT, SUVT, UF-96, Polydor

**SECTION 2: INGREDIENTS:**

Poly (Methyl Methacrylate) 88-99% CAS # 9011-14-7  
Proprietary Ingredients 1-12% TRADE SECRET  
{May be made available as provided in 29 CFR 1910.1200 (i)}

**SECTION 3: PHYSICAL DATA**

EVAPORATION RATE: NIL VAPOR DENSITY: N/A  
SOLUBILITY IN WATER: NIL PERCENT VOLATILE: N/A.  
BOILING POINT: N/A SPECIFIC GRAVITY: 1.18 – 1.19

**SECTION 4: FIRE AND EXPLOSION HAZARD DATA:**

FLASH POINT: N/A AUTO IGNITION TEMP: 986F (530°C)  
EXPLOSIVE LIMITS: N/A UNUSUAL HAZARDS: NONE  
EXTINGUISHING MEDIA: CO, WATER and DRY CHEMICAL

SPECIAL FIRE-FIGHTING PROCEDURES: Full protective equipment including self-contained breathing apparatus is recommended.

**SECTION 5: HEALTH HAZARD DATA:**

**INGESTION:** Ingestion of small quantities of this material under normal circumstances would not cause harmful effect.

**INHALATION:** Gross overexposure to nuisance particles, regardless of how generated, may cause irritation of the respiratory tract. If affected by inhalation, remove to fresh air. If breathing difficulty persists, consult a physician. Strong naphthalene smell may arise during cutting of the material. Proper ventilation is required.

**SKIN OR EYE CONTACT:** Nuisance particles may cause irritation. In case of eye contact, flush immediately with large amounts of water for 15 minutes. Call a physician.

**SECTION 6: REACTIVITY DATA**

STABILITY: STABLE  
CONDITIONS TO AVOID: Temperatures above 700°F, heat and ignition sources.  
INCOMPATIBILITY: Strong acids, bases, oxidizing agents  
HAZARDOUS DECOMPOSITION: Produces CO, CO2, and smoke.

Temperatures above 700°F can cause methyl methacrylate monomer (MMA) to be released. Operations such as sawing, routing, and drilling can also liberate MMA (See section 8). Under combustion conditions, MMA will ignite and produce CO, CO<sub>2</sub> and water.

<u>EXPOSURE LIMITS</u>	<u>CAS NUMBER</u>	<u>VAPOR PRESSURE</u>
MMA TLV = 100 ppm	80-62-6	29 mm Hg (20°C)

Vapor may cause irritation of the eyes, nose, and throat. May cause central nervous system effects, such a dizziness, headache, nausea, and loss of consciousness. Under some circumstances, mutagenic changes have been observed with MMA. The meaning and significance of these results is not understood. At 1000 ppm, MMA is weakly embryotoxic to rats.

HAZARDOUS POLYMERIZATION: Will not occur.

### SECTION 7: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Not applicable for sheet. For sawdust or chips, sweep into bag or other suitable container.

WASTE DISPOSAL METHOD: Sanitary landfill.

### SECTION 8: SPECIAL PROTECTION INFORMATION ON RESPIRATORY

VENTILATION:	Provided sufficient ventilation in volume and pattern to keep airborne levels of methyl methacrylate below 100 ppm. If this level is exceeded, a fitted organic respirator or a supplied air respirator is required.
PROTECTIVE GLOVES:	Leatherwork gloves are recommended.
EYE PROTECTION:	Safety glasses with side shields.
OTHER:	None

### SECTION 9: SPECIAL PRECAUTIONS

PRECAUTIONS TAKEN IN STORAGE AND HANDLING:	N/A
OTHER:	None
TRANSPORTATION:	Not regulated

NOTICE: The data in this material safety data sheet relate only to the specific material designated herein and do not relate to use in combination with any other material or in any process.

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