



MATERIAL SAFETY DATA SHEET

Section 1 – PRODUCT AND SAFETY SUPPLIER INFORMATION

Product Name: Hard Evidence Liquid Glue
Common Name: Cyanoacrylate Ester
Supplier: Lightning Powder Company, Inc.
13386 International Parkway, Jacksonville, FL 32218
Emergency Telephone: Chemtel® United States (800) 255-3924 International – 813-248-0585 (Collect)
Date Prepared: November 13, 2002

Section 2 – HAZARDOUS INGREDIENTS

<u>Ingredient</u>	<u>CAS#</u>	<u>Percent</u>	<u>PEL (OSHA)</u>	<u>TLV (ACGIH)</u>
Ethyl Cyanoacrylate	7085-85-0	94-99	None	None
Poly(methylmethacrylate)	9011-14-7	1-5	None	None

Section 3 – PHYSICAL/CHEMICAL PROPERTIES

Appearance and Odor: Clear, colorless liquid with sharp, irritating odor.
Specific Gravity: 1.05 Stability in Water: Polymerized by water.
Boiling Point: >300 deg. F Melting Point: Unavailable
Vapor Density: Approx. 3 Vapor Pressure (mmHg): < 0.2
Evaporation Rate: Unavailable Percent Volatile: Approx. 94

Section 4 – FIRE AND EXPLOSION DATA

Flash Point: 150-200 deg. F UEL: Not available LEL: Not available
Extinguishing Media: CO2, foam, dry chemical.
Firefighting Procedures: Wear SCBA and avoid inhalation of irritating, organic vapors.
Unusual Fire and Explosion Hazards: None



Section 5 – REACTIVITY DATA

Stability: Stable Hazardous Polymerization: Will not occur.
Incompatibilities: Polymerized by contact with water, alcohols, amines, alkalis.
Hazardous Decomposition Products: No non-thermal products. Thermal decomposition produces irritating, organic vapors.

Section 6 – HEALTH HAZARD INFORMATION

Health Hazards: Skin contact may cause burns. Vapor is irritating to eyes and mucous membranes. May produce non-allergic asthma symptoms in sensitive individuals.
Routes of Entry and First-Aid Procedures:
Eyes: Flush with water. If eyelids are stuck together or bonded to the eyeball, wash thoroughly with warm water and apply a gauze patch. The eye will open without further action within 1-4 days without residual damage. Do not try to open the eyes by manipulation.
Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention.
Skin: Soak in warm, soapy water. Product will come loose from the skin after several hours. Cured material does not present a health hazard.
Ingestion: Not a likely route of exposure. If lips are bonded, apply lots of warm water and encourage maximum wetting and pressure from saliva inside the mouth. Peel or roll the lips apart. Do not pull the lips with direct opposing action.
Signs and Symptoms of Exposure: Local irritation or burning.
Medical Conditions Aggravated by Exposure: None known.

Section 7 – EXPOSURE CONTROLS

Respirator Protection: Not available
Ventilation: Positive down-draft exhaust ventilation.
Protective Gloves: Nitrile or polyethylene. Eye Protection: Safety glasses or goggles.
Other Protective Equipment: Synthetic apron.
Work and Hygienic Practices: Wear personal protection. Wash after handling.

Section 8 – SPILL OR LEAK PROCEDURES

Steps to be taken if material is spilled or released: Flood with water to polymerize. Soak up with inert absorbent.
Waste Disposal Method: Incinerate following EPA and local regulations. Not a RCRA hazardous waste material.



Section 9 – PRECAUTIONS FOR SAFE HANDLING AND USE

Special Precautions: Avoid contact with skin and eyes. Avoid breathing vapors.

Storage Method: Store below 75 deg. F

Section 10 – TOXICOLOGICAL DATA

Carcinogenicity:

NPT: No

OSHA: No

IARC: No

Acute Inhalation LC50: No data

Acute Dermal LD50: > 2000 mg/kg

Acute Oral LD50: > 5000 mg/kg

Section 11 – ECOLOGICAL DATA

No information available.

Section 12 – TRANSPORTATION IDENTIFICATION

Proper Shipping Name: Not regulated as sold.

Identification Number: UN3334 Hazard Class: 9

Packing Group: None