

MATERIAL SAFETY DATA SHEETDATE: 02/18/05
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Section 1	HAZARD RATING	For Chemical Emergency Only:	
PACER TECHNOLOGY	(HMIS or NFPA)	In the US & Canada	(800) 424-9300
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Rancho Cucamonga, CA 91730	2 x 2	Telephone for Information:	(909) 987-0550

PRODUCT IDENTIFICATION: Zap-O Odorless CA++ (PT25)**Section 2 - HAZARDOUS INGREDIENTS INFORMATION:**

Hazardous Components (Common Names, CAS Number)	OSHA PEL	ACGIH TLV	OTHER LIMITS	% OPTION
Alkoxy-ethyl cyanoacrylate (proprietary)	NE	2ppm	NE	90-95
Poly (methyl methacrylate) (9011-14-7)	NE	NE	NE	5-10
Hydroquinone (123-31-9)	2mg/m3	2mg/m3	4mg/m3	0.1-0.5

* This ingredient is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments & Reauthorization Act of 1986 (SARA) and 40 CFR 372.

Section 3 - PHYSICAL/CHEMICAL CHARACTERISTICS:

Boiling Point:	>212F	Specific Gravity (@77F):	1.1
Vapor Density (Air=1):	NE	Melting Point:	NE
Vapor Pressure (mm Hg):	<0.5mm at 77F	Evaporation Rate (Butyl acetate=1):	NE

Solubility in Water: Polymerized by water.
Appearance & Odor: Transparent water-white liquid considered odorless.

Section 4 - FIRE AND EXPLOSION HAZARD DATA:

Flash Point (Method Used): >178 F (TCC) Flammable Limits: LEL: NA UEL: NA
Extinguishing Media: Carbon dioxide, foam, dry chemical.
Special Fire Fighting Procedures: Fumes may be irritating if not burning and require air supply with goggles while applying large amounts of water or dry chemical extinguisher.
Unusual Fire and Explosion Hazards: None. Adhesive does react with water to form solid.

Section 5 - REACTIVITY DATA:

Stability: Stable XX Conditions to Avoid: Excessive heat above 178 F, moisture and alkalines.
Avoid strong light & heat sources. Store in a cool dry place.
Incompatibility (Materials to Avoid): Polymerized by water and any basic substance.
Hazardous Decomposition Products: Irritating organic vapors may be formed.
Hazardous Polymerization: May Occur ___ May Not Occur XX

Section 6 - HEALTH HAZARD DATA:

Route(s) of Entry: Inhalation: Yes Skin: No Ingestion: Unlikely
Health Hazards (Acute and Chronic):
Acute – Vapor highly irritating to eyes and breathing.
Chronic – Exposure to vapors above the established limits (TLV) may cause symptoms of non-allergic asthma.
Carcinogenicity: NTP: No IARC Monographs: No OSHA Regulated: No

First Aid Procedures:

Eye contact – Flush with copious volumes water, seek immediate medical attention.

Skin contact – Soak in warm water. Do not pull skin apart. Wears off with water exposure over time.

Inhalation – Remove to fresh air. If symptoms persist, obtain medical attention.

Ingestion – Ingestion is not likely due to polymerization.

Section 7 - PRECAUTIONS FOR SAFE HANDLING AND USE:

Steps to Be Taken in Case Material is Released or Spilled: Ventilate area of spill; flood slowly with water to polymerize, absorb with sand/earth and dispose to chemical waste bin. Dispose in accordance with local, state or federal requirements.

Waste Disposal Method: Incinerate solid combustible waste following EPA and local regulations or dump as chemical waste according to local, state and federal regulations. Not considered a RCRA Hazardous Waste Material.

Precautions to Be Taken in Handling and Storing: Avoid contact with clothing as contact can cause burn. Assure that work area is well ventilated. Avoid moisture, direct UV-sunlight and do not store above 77F (25 C). Keep containers closed tightly when not in use. Ideal storage: 41-77F (5-25 C).

Other Precautions: Avoid breathing vapor, contact with eyes/skin. Do not store at 23F (-5 C) which freezes product to useless state. Product not damaged by freezing.

Section 8 - CONTROL MEASURES:

Respiratory Protection (Specify Type): Normally not necessary. A NIOSH-approved organic vapor canister may be used to maintain vapor concentration below TLV.

Ventilation: Local Exhaust: To maintain vapor concentration below TLV.

Mechanical (General): Large amounts used to 2ppm.

Protective Clothing or Equipment: Safety glasses with side shields, Vinyl (polyethylene) non-sticking (nitrile) gloves, rubber apron to protect clothing. Avoid cotton products.

Work/Hygienic Practices: Soap and water helps remove adhesive from skin.

NA = Not applicable

NE = Not established

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