

MATERIAL SAFETY DATA SHEET

DATE: 05/01/12
Revision #9 Page 1 of 2

Section 1

PACER TECHNOLOGY
9420 Santa Anita Avenue
Rancho Cucamonga, CA 91730

For Chemical Emergency Only:
In the US & Canada (800) 424-9300
Int'l & Wash DC (COLLECT) (703) 527-3887
Telephone for Information: (909) 987-0550

HAZARD RATING (NFPA/HMIS)

Health = 2
Flammability = 2
Reactivity = 1

PRODUCT IDENTIFICATION: Zap-O 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.

Section 9 - Other

DOT Hazard Classification: ORM-D (Not more than 450 liters).

Proper DOT Shipping Name – bulk for containers over 450 liters in volume: COMBUSTIBLE LIQUIDS, N.O.S. (CYANOACRYLATE ESTER). CLASS 3, UN 1993.

IATA Hazard Classification: Unrestricted (Not more than 500 ml)

Proper IATA/ICAO Shipping Name - bulk for containers over 500 ml in volume: AVIATION REGULATED LIQUID, N.O.S. (CYANOACRYLATE ESTER). CLASS 9, UN3334.

IMO/IMDG Hazard Classification: Unrestricted

NA = Not applicable

NE = Not established

The data contained herein is based upon information that Pacer Technology believes to be reliable. Users of this product have the responsibility to determine the suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, express or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.