

MATERIAL SAFETY DATA SHEET

DATE: 06/25/09

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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 = 1

Flammability = 2

Reactivity = 1

PRODUCT IDENTIFICATION:

PLASTIC-FUSE - PART A: RESIN

Section 2 - HAZARDOUS INGREDIENTS INFORMATION:

Hazardous Components (Common Names, CAS Number)	OSHA PEL	ACGIH TLV	OTHER LIMITS	% OPTION
Ethyl-2-Cyanoacrylate (7085-85-0)	NE	NE	0.2ppm TWA	60-100
Poly (Methyl Methacrylate) (9011-14-7)	NE	NE		10-30
Silicon Dioxide (7631-86-9)	6mg/m ³	10mg/m ³		1-5
Hydroquinone* (123-31-9)	2mg/m ³	2mg/m ³		0-1

* 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: 365 F	Specific Gravity (H ₂ O=1):	1.06
Vapor Density (Air=1): nil-NE	Melting Point:	NE
Vapor Pressure (mm Hg): 6 @ 149 F	Evaporation Rate (Butyl acetate=1):	nil-NE
Solubility in Water: Insoluble, material reacts to hardened mass for non-hazardous waste.		
Appearance & Odor: Transparent water-white to straw colored liquid with stimulative odor.		

Section 4 - FIRE AND EXPLOSION HAZARD DATA:

Flash Point (Method Used): 185 F (TOC) Flammable Limits: LEL: NE UEL: NE
Extinguishing Media: Water spray, dry chemical, foam, carbon dioxide.
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. Combustible requiring the above procedures.

Section 5 - REACTIVITY DATA:

Stability: Stable XX Conditions to Avoid: Excessive heat above 185 F, moisture and alkalines.
Stable up to 122 F. Store in a cool dry place.
Incompatibility (Materials to Avoid): Polymerized by water, alcohol, amines, alkaline materials and direct UV.
Hazardous Decomposition Products: Combustible by-products of carbon monoxide/dioxide.
Hazardous Polymerization: May Not Occur XX

Section 6 - HEALTH HAZARD DATA:

Route(s) of Entry: Inhalation: Yes Estimated Oral LD50 = >5000 mg/kg
Estimated Dermal LD50 = >2000 mg/kg
Health Hazards (Acute and Chronic):
Acute - Irritates eyes, mucous membranes.
Chronic - No residual effects of acute properties.
Carcinogenicity: NTP: No IARC Monographs: No OSHA Regulated: No

First Aid Procedures:

Eye contact - Tearing from eye irritation. Remove to fresh air. Flush areas of contact with water. Adhesive will disassociate from eye/eyelids over time, usually within several hours. Temporary weeping of eyes/double vision may be experienced until clearance is achieved.

Skin contact - Immerse bonded areas in warm, soapy water. Peel or roll skin apart. Remove cured adhesive with several applications of warm, soapy water. Prolonged or repeated contact at elevated levels may cause dermatitis in sensitive individuals.

Inhalation - Irritation of mucous membranes/coughing. Remove to fresh air. Prolonged or repeated exposure at elevated levels may produce allergic reactions with asthma-like symptoms in sensitive individuals.

Ingestion - Lips may become stuck together: apply copious amounts of warm water & encourage wetting/pressure from saliva inside mouth. Peel or roll (do not pull) lips apart. It is almost impossible to swallow cyanoacrylate as adhesive solidifies upon contact with saliva & may adhere to inside of mouth. Saliva will lift adhesive in 1-2 days, avoid swallowing adhesive after detachment.

Medical Conditions Generally Aggravated by Exposure: Pre-existing skin, eye and respiratory disorders may be aggravated by exposure.

Section 7 - PRECAUTIONS FOR SAFE HANDLING AND USE:

Steps to Be Taken in Case Material is Released or Spilled: Polymerize with water. Solid material may be scraped from surface.

Waste Disposal Method: Incinerate solid combustible waste or dump as chemical waste according to local, state and federal regulations.

Precautions to Be Taken in Handling and Storing: Avoid moisture, direct UV-sunlight and do not store above 25 C. Keep containers closed tightly when not in use. Ideal storage: 5-10 C.

Other Precautions: Avoid breathing vapor, contact with eyes/skin. Product not damaged by freezing.

Section 8 - CONTROL MEASURES:

Respiratory Protection (Specify Type): 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 0.2ppm.

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

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

Section 9 - OTHER INFORMATION: Not regulated for shipping purposes.

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.

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PRODUCT IDENTIFICATION:

(HMIS/NFPA) HAZARD RATING

PLASTIC-FUSE - PART B: PRIMER

Health = 2
Flammability = 3
Reactivity = 0

Section 2 - HAZARDOUS INGREDIENTS INFORMATION:

Hazardous Components (Common Names, CAS Number)	OSHA PEL	ACGIH TLV	OTHER LIMITS	% OPTION
Acetone 67-64-1	1000 ppm	750 ppm		95-100

* This ingredient is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

Section 3 - PHYSICAL/CHEMICAL CHARACTERISTICS:

Boiling Point: 134⁰F Specific Gravity: >0.75 at 77 F
Vapor Density (Air=1): 2 Melting Point: NA
Vapor Pressure: 400 mm Hg @ 104F Evaporation Rate (Butyl acetate = 1): 7.7
Solubility in Water: Insoluble.
Appearance & Odor: Clear to amber liquid with ketone odor.

Section 4 - FIRE AND EXPLOSION HAZARD DATA:

Flash Point (Method): -4⁰ F (TCC) Flammable Limits: LEL: 2.5% UEL: 12.8%
Extinguishing Media: Dry chemical, foam or carbon dioxide.
Special Fire Fighting Procedures: Firefighters should wear self-contained breathing apparatus. Use water spray only as a blanket.
Unusual Fire and Explosion Hazards: Heat may cause pressure buildup and possible container rupture. Use water spray to cool heat-exposed containers. Vapors from this material may settle in low or confined areas or travel a long distance to an ignition source and flash back explosively.

Section 5 - REACTIVITY DATA:

Stability: Stable XX Conditions to Avoid: Heat, sparks or open flames. All ignition sources.
Incompatibility (Materials to Avoid): Strong oxidizing agents, acids, bases, and reducing agents.
Hazardous Decomposition Products: Carbon monoxide/dioxide.
Hazardous Polymerization: May Not Occur XX

Section 6 - HEALTH HAZARD DATA:

Route(s) of Entry: Inhalation: Yes Skin: Yes Ingestion: Not expected to be a primary route of entry.
Acetone: Oral LD50 = 5.8 g/kg (rat)
Carcinogenicity: NTP: No IARC Monographs: No OSHA Regulated: No
Health Hazards (Acute and Chronic):
Acute - may cause irritation of eyes, skin and respiratory tract. Inhalation may cause nausea, headache, dizziness and irritation of respiratory tract.
Chronic - excessive exposure effects include aggravation of existing dermatitis with direct contact.

First Aid Procedures:

Eye contact - Immediately flush eye with copious amounts of water for 15 minutes. If irritation persists, get medical attention.

Skin contact - Irritation upon direct contact. Remove contaminated clothing and wash affected areas with soap and water. Prolonged or repeated contact can cause dermatitis in sensitive individuals. If irritation persists, get medical attention.

Inhalation - Remove to fresh air. Administer oxygen if breathing is difficult and get medical attention.

Ingestion - DO NOT induce vomiting. Keep individual calm. Obtain medical attention.

Medical Conditions Generally Aggravated by Exposure: Pre-existing skin and respiratory conditions.

Note to physician: Use of epinephrine is contra-indicated.

Section 7 - PRECAUTIONS FOR SAFE HANDLING AND USE:

Steps to Be Taken in Case Material is Released or Spilled: Remove ignition sources, soak up with inert absorbent and place into container for disposal.

Waste Disposal Method: Dispose of in accordance with local, state, and federal EPA regulations.

Precautions to Be Taken in Handling and Storing: Keep away from heat, flames and sparks. Store between 40-80⁰ F in tightly closed container away from food. Avoid direct contact with product and use only in well-ventilated area.

Other Precautions: Wash hands well with soap and water after use.

Section 8 - CONTROL MEASURES:

Respiratory Protection (Specify Type): A NIOSH approved vapor canister may be used to maintain vapor concentration below TLV.

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

Mechanical (General): As needed.

Protective Clothing or Equipment: Safety glasses/goggles with side shields, rubber gloves and apron to protect skin and clothing.

Work/Hygienic Practices: Wash hands with soap and water after use. Launder contaminated clothing before reuse. Contaminated leather goods should be disposed of as contaminated waste.

Section 9 - OTHER INFORMATION:

DOT: Flammable Liquid, N.O.S. (Contains Acetone), UN1993, 3, PGII.

IATA: Flammable Liquid, N.O.S. (Contains Acetone), UN1993, 3, PGII.

IMO, IMDG: Flammable Liquid, N.O.S. (Contains Acetone), UN1993, 3, PGII.

TSCA 8(b) status: All components are listed or are exempt from listing on the Toxic Substances Control Act inventory.

NA = Not applicable

NE = Not established

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