PACER TECHNOLOGY
INDUSTRIAL • PRIVATE LABEL

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MATERIAL SAFETY DATA SHEET

FOR CHEMICAL EMERGENCY ONLY: **US & CANADA**: (800) 424-9300 **Int'l & Wash. DC**: (703) 527-3887

1. PRODUCT IDENTIFICATION:

Product ID	**FG01030, FG01033, FG01035 - E-100**

2. COMPOSITION/INGREDIENTS:

CHEMICAL NAME	CAS #	OSHA PEL	ACGIH TLV	Other Limits	Wt. %
Ethyl cyanoacrylate	7085-85-0	NE	0.2 ppm TWA	NE	85-100

3. HAZARDS IDENTIFICATION: Emergency Overview

	HMIS	NFPA
Health	**2**	**2**
Flammability	**2**	**2**
Reactivity	**1**	**1**
Physical Hazard		

Clear, colorless liquid with irritating odor.
CAUTION: BONDS SKIN & EYES IN SECONDS. Irritating to eyes, respiratory system and skin. Avoid contact with clothing as can cause burn. Keep out of reach of children.

Toxicity	May cause allergic skin reaction with prolonged contact. Possible skin sensitizer.	
Primary routes of entry	**Inhalation** / **Yes** — **Skin** / **No** — **Eyes** / **Yes** — **Ingestion** / **---**	
Signs/Symptoms of Exposure	**Inhalation**	Coughing, wheezing, allergic-type reaction
	Skin	Possible redness, irritation; possible dermatitis with prolonged or repeated contact.
	Eyes	Weeping, redness, irritation
	Ingestion	Adhesive becomes solid in contact with saliva and may adhere to inside of mouth.

4. FIRST AID MEASURES:

Inhalation	Remove to fresh air. Prolonged or repeated elevated exposure may cause allergic reactions with asthma-like symptoms in sensitive individuals.
Skin	Wash with soap & water. Peel or roll skin apart to separate. Adhesive wears off of skin with water exposure.
Eyes	Immediately flush eyes with plenty of water for 15 minutes. Get immediate medical attention. Water flushing aids in sloughing off adhesive over time.
Ingestion	Peel or roll skin apart. Adhesive becomes solid in contact with saliva & may adhere to inside of mouth. Saliva will lift adhesive in 1-2 days. Additional water exposure helps to speed up removal. Avoid swallowing solid adhesive after detachment. Not a toxic product.

5. FIRE FIGHTING MEASURES: FLASH POINT: 186 ^{0}F/ 86^{0}C LEL: NE UEL: NE

Extinguishing Media	Use dry chemical extinguisher or flush with large amounts of water.
Special Fire Fighting Procedures	As in any chemical fire, wear self-contained breathing apparatus, pressure-demand (NIOSH approved or equivalent) and full protective gear.
Hazardous Products of Combustion	Combustible by-products of carbon monoxide and carbon dioxide.
Unusual Fire/Explosion Hazards	Adhesive becomes solid in contact with water.

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6. ACCIDENTAL RELEASE MEASURES:

Spill Procedures	Polymerize with water. Increase ventilation to area. Solid material may be scraped from surface.

7. HANDLING AND STORAGE:

Handling	Use in well-ventilated area. Avoid contact with eyes, skin and clothing. Avoid breathing (dust, vapor, mist). Avoid contact with skin, eye and clothing. Keep container closed when not in use. Protect work surfaces with metal foil.
Storage	Store in a cool place in original container and protect from sunlight. Keep away from sources of ignition. Ideal storage: 41-50F. Do not store with food products.

8. EXPOSURE CONTROL/PERSONAL PROTECTION:

EYES	SKIN	VENTILATION	OTHER
With possible eye/face contact, wear safety glasses.	Wear suitable protective clothing and gloves (neoprene).	Use in well-ventilated area or wear NIOSH full face respirator with carbon cartridges.	Facilities storing or utilizing this material should have an eyewash facility and a safety shower.

9. PHYSICAL & CHEMICAL PROPERTIES:

Appearance: Clear, transparent, colorless liquid	**Odor:** Irritating odor	**Boiling Point:** 365 F / 185 C
Specific Gravity (H_2O=1): 1.06	**Solubility in Water:** Insoluble, material becomes solid.	**Melting Point:** NE
Vapor Density (Air=1): NE	**Vapor Pressure (mm Hg):** 1 @ 20C	**Evaporation Rate (Butyl acetate=1):** NE
Volatile Organic Compounds-VOC (less exempt): <2% (< 20 g/L) – (per SCAQMD Method 316B – estimated)		

10. STABILITY & REACTIVITY:

Stable: _X__ yes _____ no	**Hazardous Polymerization: _____ may occur _X__ may not occur**
Incompatible materials:	Polymerized by water, alcohol, amines, alkaline materials and direct UV light.
Conditions to avoid:	Avoid temperatures above 176 F / 80 C, moisture and alkalines.
Hazardous decomposition products:	Carbon monoxide/dioxide and other toxic or irritating compounds. Oxides of nitrogen and probably hydrogen cyanide are also possible during combustion.

11. TOXICOLOGICAL INFORMATION:

Oral LD50 = >5000 mg/kg (rat)(estimated). Dermal LD50 = >2000 mg/kg (rabbit)(estimated).
Inhalation LC50 notes: Recommended TWA 0.2 ppm. Vapors may be irritating.

Hazardous components	**Health effects/Target organs**
Ethyl cyanoacrylate	Irritant, allergen, respiratory

12. ECOLOGICAL INFORMATION:

No known hazards.

13. DISPOSAL CONSIDERATIONS:

Polymerize with water to a solid material. Dispose of as solid waste or trash in accordance with local government regulations of the region.

14. SHIPPING:

DOT	Not regulated
IMDG	Not regulated
IATA	Not regulated (less than 500 mL) UN3334, AVIATION REGULATED LIQUID, N.O.S. (ethyl cyanoacrylate), 9

15. REGULATORY INFORMATION:

TSCA Status: All ingredients in this product are listed, or are exempt, for the TSCA Inventory list.
California Proposition 65: No California Proposition 65 chemicals are known to be present, or are intentionally added in the manufacture of this product.
Other: None known.

16. OTHER INFORMATION:

Abbreviations used in this document:
NA = not applicable
NE = not established

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Prepared by: **Mary Robles, Regulatory Affairs Manager**

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