

MATERIAL SAFETY DATA SHEET

ResinlabTM **L.L.C**

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I - IDENTIFICATION

PRODUCT NAME: *RESINLAB CYNERGY CA6100 Series Products*

CHEMICAL COMPOSITION: CYANOACRYLATE

CHEMICAL FAMILY: ACRYLATE

HMIS RATINGS

HEALTH= 2 FLAMMABILITY= 2 REACTIVITY=1 PERSONAL PROTECTION =B
0=LEAST 1=SLIGHT 2=MODERATE 3=HIGH 4=EXTREME B=GLOVES,SAFETY GLASSES

2. COMPOSITION

ETHYL CYANOACRYLATE:	7085-85-0	90 - 100
POLY (METHYL METHACRYLATE)	9011-14-7	1 - 10
HYDROQUINONE	123-31-9	0.1 -0.5

INGREDIENTS THAT HAVE EXPOSURE LIMITS:

EXPOSURE LIMITS (TWA)	ACGIH	OSHA	OTHER
INGREDIENTS:	(TLV)	(PEL)	
ETHYL CYANOACRYLATE	0.2 ppm TWA	None	None
HYDROQUINONE	2 mg/m ³ TWA	2 mg/m ³ TWA	2 mg/m ³ TWA
EXPOSURE LIMITS (STEL)			
ETHYL CYANOACRYLATE	(4 ppm)	(4 ppm)	

3. HAZARDS IDENTIFICATION

TOXICITY: Skin contact may cause burns
 Bonds skin rapidly
 Skin and eye irritant
 Estimated oral LD50 > 5000mg/kg
 Estimated dermal LD50 > 2000 mg/kg

PRIMARY ROUTES OF ENTRY: None known

SYMPTOMS OF EXPOSURE: vapors irritating to mucous membranes when above TLV. Prolonged and repeated over exposure to vapors may produce allergic reactions with asthma like symptoms in sensitive individuals

EXISTING CONDITIONS AGGREGATED BY EXPOSURE: None know.

TARGET ORGAN AND OTHER HEALTH EFFECTS:

		NTP	CARCINOGEN IARC	OSHA
Ethyl Cyanoacrylate	Allergen, irritant ant, respiratory	NO	NO	NO
Poly(methyl methacrylate)	Irritant	NO	NA	NO
Hydroquinone	ACGIH animal carcinogen, blood Bone marrow, CNS, eye, immune systems, Irritant, liver, skin, mutagen, thyroid	NO	NA	NA

4. FIRST AID AND PERSONAL PROTECTION:

NOTE: See supplemental page or emergency procedures and additional First Aid information.

INGESTION: Ingestion is not likely.

INHALATION: Remove to fresh air. If symptoms persist, obtain medical attention.

SKIN CONTACT: Soak in warm water.

EYE CONTACT: Flush with water.

EYE: Chemical safety glasses or goggles

SKIN: Polyethylene gloves and/or aprons. **DO NOT** use cotton /cloth type gloves.

VENTILATION: Positive draft exhaust ventilation should be provided to maintain vapor Concentration Levels below TLV.

5. FIRE FIGHTING MEASURES

FLASH POINT:160 - 200 °F (method TCC)

EXTINGUISHING AGENTS: Carbon dioxide, foam, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Not available.

HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMP: Irritating organic vapors.

UNUSUAL FIRE OR EXPLOSION: None

EXPLOSIVE LIMITS:

(% BY VOLUME IN AIR) LOWER	Not available
(% BY VOLUME IN AIR) UPPER	Not available

6. ACCIDENTAL RELEASE MEASURES

If a spill or leak occurs, flood area with water to polymerize the material. Soak up with inert absorbant.

7. HANDLING AND STORAGE:

STORAGE: Store below 72 °F

HANDLING: Avoid contact with skin and eyes. Avoid breathing vapors.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Chemical safety glasses or goggles.

Skin: Polyethylene gloves and aprons. **DO NOT** use cotton or cloth materials.

Ventilation: Positive down draft exhaust ventilation should be provided to maintain vapor concentration Below TLV.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear liquid

ODOR: Sharp, irritating

BOILING POINT: More than 300 °F

SOLUBILITY IN WATER: Polymerized

SPECIFIC GRAVITY:1.05 @ 75°F

VAPOR PRESSURE: Less than 0.2 mm @ 75°F

VAPOR DENSITY:3

VOC 87.1 %; 914.55 g/l (EPA METHOD 24)

10. STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION; Will not occur

INCOMPATIBILITY: Polymerized by contact with water, alcohol, amines, alkalies.

CONDITIONS TO AVOID: Not available

HAZARDOUS DECOMPOSITION PRODUCTS; (Non-thermal); None

11. DISPOSAL INFORMATION:

RECOMMENDED METHODS OF DISPOSAL: Polymerize as indicated in Section 6. Incinerate following EPA and local regulations EPA Hazardous waste number: NH - Not a RCRA Hazardous Waste Material.

12 TRANSPORTATION INFORMATION.

DOT (49CFR 172)

DOMESTIC GROUND TRANSPORT

PROPER SHIPPING NAME: Unrestricted (Not more than 450 liters); Combustible liquids, n.o.s.
(Cyanoacrylate)More than 450 liters)

HAZARD CLASS OR DIVISION: Unrestricted (Not more than 450 liters)

IDENTIFICATION NUMBER: None (not more than one pint)

NA 1993 (More than 450 liters)

MARINE POLLUTANT: None

IATA PROPER SHIPPING NAME: Unrestricted (Not more than 1 pint) Aviation regulated liquid, n.o.s.,
(Cyanoacrylate) (More than 1 pint)

CLASS OR DIVISION: Unrestricted (not more than 1 pint) Class 9 (More than 1 pint)

UN OR ID NUMBER: None (Not more than 1 pint) UN 3334 (More than 1 pint)