

	<u>NTP</u>	<u>IARC</u>	<u>OSHA</u>
Ethyl Cyanoacrylate: Allergen, irritant, respiratory	No	No	No
Poly (methyl methacrylate): Irritant	No	N/A	No
Hydroquinone ACGIH animal carcinogen, blood, bone marrow, central nervous system, eye, immune system, irritant, liver, skin, mutagen, thyroid.			

4. FIRST AID MEASURES AND PERSONAL PROTECTION:

NOTE: See supplement 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

PERSONNEL PROTECTION:

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 HAZARDS: 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 (cure) the material. Soak up with an inert absorbent.

7. HANDLING AND STORAGE:

STORAGE: Store below 72 °F
HANDLING: Avoid contact with skin and eyes. Avoid breathing vapors.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION:

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

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, alkalis.
CONDITIONS TO AVOID: Not available
HAZARDOUS DECOMPOSITION PRODUCTS: (Non-thermal): None

11. TOXICOLOGICAL INFORMATION:

Refer to section 3

12. ECOLOGICAL INFORMATION:

No data available.

13. DISPOSAL CONSIDERATIONS:

RECOMMENDED METHODS OF DISPOSAL:

Polymerize as indicated in Section 6, Incinerate following EFA and local regulations EPA Hazardous waste number: NH - Not a RCRA Hazardous Waste Material

14. TRANSPORTATION INFORMATION:

DOT (49CFR172)
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)

15. REGULATORY INFORMATION:

CA Proposition 65: No Prop 65 Chemicals known to be present Date: 8/99

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