
SECTION 5 – FIRE FIGHTING MEASURE

Flash Point : above 115°C Method: Cleveland open cup. (Recommended)
Extinguishing Agents : Carbon dioxide, foam, dry chemical
Special Firefighting Procedures: Not Available
Hazardous Products Formed by fire or thermal decomposition: Irritating organic fragments
Unusual fire or explosion hazards: None
Explosive Limits: (% by volume in air) Lower Not available
: (% by volume in air) Upper Not available

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Evacuate non-essential personnel.
Shut off all sources of ignition: No fires, smoking or flames in area.
* Ventilate area after material pick up is completed.

For small spill:
Absorb spill with inert material (dry cloth, dry sand), then place in a chemical waste containers using non-sparking tools.
Flush residual spill (area) with plenty of water.
For large spill:
Dike for later disposal.
Wash with plenty of water.

SECTION 7 – HANDLING AND STORAGE

HANDLING:
Keep away from sources of ignition and heat. No smoking or flames in working area.
Take precautionary measures against static discharges.
Wear proper protective equipment, and avoid contact with skin or eyes.
Use only in well ventilated areas.
Use exhaust ventilation to keep air concentration below exposure limit.
Keep container tightly closed when not in use.
Install emergency showers and eye wash facility in working area.

STORAGE:
Keep away from possible source of ignition.
Store in cool, dry and well ventilated location.
Keep container tightly closed.
Keep away from combustible materials, heat, and steam pipe or sunlight.
Keep away from oxidizing materials.

OTHER PRECAUTIONS:
Wash hands, face and gargle after work.
Practice good personal hygiene after using this material, especially before eating, drinking, smoking or using the rest room.
Keep out of reach of children.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection (Specify type): Chemical Cartridge respirator with organic vapor

Ventilation Local exhausts

Should be used control vapors in work area.

Mechanical (general)

Should use a breathing mask

Protective gloves: Polyethylene gloves.

No rubber Eye protection Safety glasses, face shield.

Skin Protection: Other protective clothing or equipment impervious Clothing apron and boots barrier
dream ETC.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Transparent Liquid
Odor : Sharp, irritating
Boiling Point : Above 190°C (374. F)
Melting Point : N/A
Specific Gravity (H₂O = 1) : 0.9-1.1
Vapor Pressure (at 25°C) : 1Pa
Vapor Density (Air =1) : 4.5
Evaporation Rate (Butyl acetate =1) : N/A
Solubility in Water: Insoluble (Polymerized by water)

SECTION 10 – STABILITY AND REACTIVITY

Condition to avoid : High humidity, high temperature or direct sunlight
Stability : Stable (Cool and dry area)
Material to avoid : Polymerized by contact with water, alcohols, amines or alkalis.
Hazardous Decomposition or by Products: CO₂, Oxides, Nitrogen and unknown Hydrocarbons.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicity : Skin contact may cause burns, bond skin rapidly and strongly skin and eye irritant

Routes of Entry: Inhalation (Yes), Skin (Yes), Ingestion (Yes).

Ingredients which have exposure limits

ACGIH (TLV) OSHA (PEL) OTHER

Ethyl Cyanoacrylate 0.2ppm TWA None

Ingredients	Literature Referenced Target Organ and Other health Effects	Carcinogen		
		NTP	IARC	OSHA
Ethyl Cyanoacrylate	ALG IRR RES	No	No	No

Abbreviations

N/A	Not applicable	AC3	ACGIH animal Carcinogen
ALG	Allergen	BLO	Blood
BNM	Bone Marrow	CNS	Central Nervous System
EYE	Eyes	IMM	Immune system
IRR	Irritant	LIV	Liver
MUT	Mutagen	Res	Respiratory

SECTION 12 – ECOLOGICAL INFORMATION

No data Available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste disposal method: Don't pour drain. Follow domestic and local environmental regulations.

Precautions to be taken in handling and storing: Avoid unnecessary exposure to air and moisture.

Don't store above 25°C and in direct sunlight.

Keep container lids tightly closed.

Other Precautions: Wear recommended equipment to avoid contact with skin and eyes. Protect eyes, skin and clothing from contact with liquid product.

SECTION 14 – TRANSPORTATION INFORMATION

U.S Department of Transportation Ground Transport (49 CFR 172)

Proper Shipping Name : Unrestricted (Not more than 450 liters.)

Combustible liquids n.o.s. (Cyanoacrylate ester) (More than 450 liters)

Hazard class or division : Unrestricted (Not more than 4 50 liters.)

Combustible liquids (More than 450 liters)

Identification number : None (Not more than 450 liters.)

NA1993 (More than 450 liters)

Marine Pollutant : None

International Air Transportation (ICA/IATA)

Proper shipping name : Unrestricted

Class or Division : Unrestricted

UN or ID number : None

Water Transportation (IMO/IMDG)

Proper Shipping Name : Unrestricted

Hazard class or division: None

Identification Number : None

Marine Pollutant : None

SECTION 15 – REGULATORY INFORMATION

CA Proportion 65: No California Proposition 65 chemicals are known to be present.

TSCA 8(b) Inventory Status: All components are listed or are exempt from listing on Toxic Substances Control Act Inventory

EINECS All components are listed on EINECS

SECTION 16 – OTHER INFORMATION

Estimated NFPA(R) Code:

Health Hazard : 1

Fire Hazard : 1

Reactivity Hazard : 1

Specific Hazard : Does not apply

Estimated HMIS(R) Code:

Health Hazard : 1

Flammability Hazard : 1

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