

**Material Safety Data Sheet: Premier Clarity Adhesive™****1- Chemical Product and Company Identification:**

Product Name: Premier Clarity Adhesive™  
 Product Type: Ethyl Cyanoacrylate  
 Date revised: December, 2021

**2- Composition/Information on Ingredients:**

Substance: Ethoxyethyl 2-cyanoacrylate

Other name: 2-Cyanoacrylic acid, Ethoxyethyl ester, 2-Cyano-2-propenoic acid, Ethoxyethyl ester, ETHOXYETHYL 2-CYANOACRYLATE, Ethoxyethyl alpha-cyanoacrylate

<u>Ingredient</u>	<u>CAS Number</u>	<u>%wt.</u>
Ethyl Cyanoacrylate	7085-85-0	95%
PMMA	9065-11-6	5%

Inventory status: Ethoxyethyl 2 –cyanoacrylate

<u>TSCA</u>	<u>LISTED</u>
Ec no.	244-692-4
Ec Classification	No Information
EC Labeling	No Information

**3- Hazards Identification - Potential Health Effects:****GHS Classification (Based on NITE)**

Explosives	Classification not possible	
Flammable gases	Not applicable	
Flammable aerosols	Not applicable	
Oxidizing gases	Not applicable	
Gases under pressure	Not applicable	
Flammable liquids	Category 4	
Flammable solids	not applicable	
Self-reactive substances and mixtures	Classification not possible	
Pyrophoric liquids	Not classified	
Pyrophoric solids	Not classified	
Self-heating substances and mixtures	Classification not possible	
Substances and mixtures which, in contact with water, emit flammable gases		Not Applicable
Oxidizing liquids	Not applicable	
Oxidizing solids	Not applicable	
Organic peroxides	Not applicable	
Corrosive to metals	Not classified	

**Human Health Hazards**

Acute toxicity (Oral)	Not classified
Acute toxicity (Dermal)	Not classified
Acute toxicity (Inhalation: Gases)	Not applicable
Acute toxicity (Inhalation: Vapors)	Classification not possible
Acute toxicity (Inhalation: Dusts)	Not applicable

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Acute toxicity (Inhalation: Mists)	Classification not possible
Skin corrosion/irritation	Classification not possible
Serious eye damage/eye irritation	Classification not possible
Respiratory sensitization	Classification not possible
Skin sensitization	Classification not possible
Germ cell mutagenicity	Classification not possible
Carcinogenicity	Classification not possible
Reproductive toxicity	Classification not possible
Specific target organ toxicity - Single exposure	Classification not possible
Specific target organ toxicity – Repeated exposure	Classification not possible
Aspiration hazard	Classification not possible

### **Environmental Hazards**

Acute toxicity to the aquatic environment	Classification not possible
Chronic toxicity to the aquatic environment	Classification not possible

### **Label Elements**

Pictogram and Symbol: Exclamation Mark Signal

Word: Warning

Hazard statement: Combustible liquid

Precaution:



### **[Prevention]**

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Avoid breathing mist/vapors/spray. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

### **[Response]**

If on skin: Wash with plenty of soap and water.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Immediately call a POISON CENTER or doctor/physician.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate extinction.

### **[Storage]**

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

### **[Disposal]**

Dispose of contents/container in accordance with local/regional/ national/international regulations.

### **4- First Aid Measures:**

Description of necessary measures, subdivided according to the different routes of exposure, i.e., Inhalation, skin and eye contact, and ingestion

If on skin: Wash with plenty of soap and water.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

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If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Most important symptoms/effects, acute and delayed. Please refer to "11 Toxicological information" in detail. Indication of immediate medical attention and special treatment needed, if necessary If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention

### **5- Fire Fighting Measures:**

Acute hazards/symptoms in Fire: Combustible.

Prevention in Fire: No open flames.

First aid/Fire Fighting in Fire: In case of fire in the surroundings: use appropriate extinguishing media.

Acute hazards/symptoms in explosion: Above 95 °C explosive vapor/air mixtures may be formed.

Prevention in explosion: Above 95 °C use a closed system, ventilation, and explosion-proof electrical equipment.

First aid/Fire Fighting in Explosion: In case of fire: keep drums, etc., cool by spraying with water.

### **6-Accidental Release Measures**

Evacuate nonessential personnel.

Shut off all sources of ignition; No fires, smoking or flames in area.

Ventilate area after material pick up is completed.

For small spills: 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 spills: Dike for later disposal. Wash with plenty of water.

### **7- Handling and Storage:**

**Handling Precautions:** Keep away from heat/sparks/open flames/hot surfaces. No smoking. Avoid breathing mist/vapors/spray. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. Take off contaminated clothing and wash before reuse.

**Storage Requirements:** Store in a well-ventilated place. Keep container tightly closed. Store locked up.

### **8- Exposure Controls, Personal Protection:**

Control parameters, e.g., occupational exposure limit values or biological limit values: No data

Appropriate engineering controls: (Please refer to engineering controls described in "7.1 Precautions for safe handling".)

Individual protection measures, such as personal protective equipment (Please refer to Individual protection measures described in "7.1 Precautions for safe handling".)

### **9- Physical and Chemical Properties:**

Appearance (physical state, color, etc) : Transparent liquid

Odor: Perfume

Odor threshold: No data

pH: 4~6

Melting point/Freezing point : <-20 °C

Initial boiling point and boiling range: above 190 °C

Flash point: 95 °C (open cup)

Evaporation rate: No data

Flammability (solid, gas): liquid

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Upper/lower flammability or explosive limits: No data

Vapor pressure : <1 Pa (25 °C)

Relative density: 0.9~1.1 (water=1)

Solubility(ies) : not soluble in water. Slightly soluble in alcohol, acetone, MEK, toluene, DMF, nitromethane.

Partition coefficient: n-octanol/water: No data

Auto ignition temperature: 330 °C

Decomposition temperature: No data

### **10- Stability and Reactivity:**

Condition to avoid: High humidity, high temperature or direct sunlight.

Stability: Stable (cool and dry area.).

Materials to avoid: Polymerized by contact with water, alcohols, amines, alkalis.

Hazardous decomposition or by products: CO<sub>2</sub>, oxides and nitrogen and unknown hydrocarbons.

### **11- Toxicological Information**

Acute toxicity (Inhalation: Gases) Liquid (GHS definition)

Acute toxicity (Inhalation: Vapors) No data available

Acute toxicity (Inhalation: Dusts / Mist) No data available

Skin corrosion / irritation No data available

Serious eye damage / eye irritation Ethoxyethyl 2-cyanoacrylate: No data available

Respiratory sensitization / Skin sensitization Ethoxyethyl 2-cyanoacrylate: No data available

Germ cell mutagenicity Ethoxyethyl 2-cyanoacrylate: No data available

Carcinogenicity Ethoxyethyl 2-cyanoacrylate: No data available

Reproductive toxicity Ethoxyethyl 2-cyanoacrylate: No data available

Specific target organ toxicity

- Single exposure Ethoxyethyl 2-cyanoacrylate: No data available

Specific target organ toxicity

- Repeated exposure Ethoxyethyl 2-cyanoacrylate: No data available

Aspiration hazard No data available

### **12-Ecological**

Acute toxicity to the aquatic environment: No data available.

Chronic toxicity to the aquatic environment: No data available.

### **13- Disposal Considerations:**

#### **Description of waste residues and information on their safe handling and methods of disposal**

If you would like to dispose of this chemical, you should properly dispose of this by yourself or ask qualified specific agents dispose of this according to related legislations and local regulations. If you would like to ask the agents dispose of this chemical, you should provide sufficient information on dangerousness and hazard of this chemical.

#### **The disposal of any contaminated packaging**

Container should be recycled after cleaning or if you would like to dispose of container of this chemical,

You should properly dispose of this by yourself or ask qualified specific agents dispose of this according to related legislations and local regulations. If you would like to ask the agents dispose of this container, you should provide sufficient information on dangerousness and hazard of this chemical in this container and information on ingredient and notice of container.

### **14- Transportation Information:**

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

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## DESIGNER LASHES

**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 450 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**

### **15- Regulatory Information:**

**CA Proposition 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**

**REACH: 2-ethoxyethyl 2-cyanoacrylate Reference number 05-2116448631-46-0000**

### **16- Other Information:**

(Reference)

NITE GHS Classification of this substance (English/Japanese)

NITE review data by public comment (Japanese-Hydroquinone 2007.12.25)

GHS Model Label of this substance (English/Japanese)

GHS Model Label List of 714 Chemicals in OSH in Japan (English/Japanese)

GHS Classification Manual, Technical Guidance and Results of the classification in Japan (English/Japanese)

Technical Guidance on GHS classification in Japan (English/Japanese)

ICSC 1358 (English/Japanese)