

1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** PERMASTICK ADHESIVE GEL, MM  
**Recommended Use** Adhesive  
**Information on Manufacturer** CERTIFIED LABS, DIV. OF NCH CORP.  
 BOX 152170  
 IRVING, TEXAS 75015

**Product Code** 4738  
**Chemical Nature** Cyanoacrylate  
**Emergency Telephone Number** CHEMTREC® 800-424-9300

2. HAZARDS IDENTIFICATION

**Emergency Overview**  
 Warning  
 Combustible material  
 Bonds skin instantly  
 Causes eye irritation  
 May cause allergic skin reaction  
 May cause allergic respiratory reaction  
 Causes respiratory tract irritation

**Color** Colorless  
**Potential Health Effects**  
**Principle Route of Exposure** Skin contact, Eye contact, Inhalation.  
**Primary Routes of Entry** Skin Absorption, Inhalation.  
**Acute Effects**  
     **Eyes** Causes eye irritation  
     **Skin** Causes skin irritation. Bonds skin instantly. May cause allergic skin reaction  
     **Inhalation** Causes respiratory tract irritation. May cause allergic respiratory reaction  
     **Ingestion** Not an expected route of exposure  
**Chronic Effects** May cause sensitization by skin contact, May cause sensitization by inhalation.  
**Target Organ Effects** Respiratory system, Eyes, Skin, Bone Marrow.  
**Aggravated Medical Conditions** Skin disorders, Respiratory disorders.  
**Potential Environmental Effects** See Section 12 for additional Ecological information

**Physical State** Paste  
**Odor** Strong

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Ethyl cyanoacrylate	7085-85-0
Poly (methyl methacrylate)	9011-14-7
Hydroquinone	123-31-9

4. FIRST AID MEASURES

**General Advice** Do not get in eyes, on skin, or on clothing. Avoid breathing vapors, mist, or gas  
**Eye Contact** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Eyelid bonding: see a doctor. Do not force apart. Get medical attention immediately  
**Skin Contact** Wash off with warm water and soap. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use  
**Inhalation** If inhaled, remove to fresh air. Get medical attention if symptoms occur  
**Ingestion** Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur  
**Notes to Physician** Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children. Treat symptomatically

5. FIRE-FIGHTING MEASURES

**Flash Point** 185°F/85°C  
**Method** Tag closed cup  
**Autoignition Temperature** No information available  
**Flammability Limits in Air %** No information available  
**Suitable Extinguishing Media** Water spray. Carbon dioxide (CO2). Foam. Dry chemical  
**Specific Hazards Arising from the Chemical** Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes .  
**Protective Equipment and Precautions for Firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

<b>NFPA</b>	<b>Health</b>	1	<b>Flammability</b>	2	<b>Instability</b>	1
<b>HMIS</b>	<b>Health</b>	1	<b>Flammability</b>	2	<b>Instability</b>	1

6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions** Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions  
**Environmental Precautions** Do not flush into surface water or sanitary sewer system  
**Methods for Containment** No information available  
**Methods for Cleaning Up** Pick up and transfer to properly labeled containers  
**Neutralizing Agent** Not applicable

7. HANDLING AND STORAGE

**Handling** Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or mists  
**Storage** Store in original container. Keep container tightly closed in a dry and well-ventilated place  
**Storage Temperature** **Minimum** 40°F/4°C **Maximum** 77°F/25°C

Storage Conditions                      Indoor                      X                      Outdoor                      Heated                      Refrigerated

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Ethyl cyanoacrylate	TWA: 0.2 ppm	No data available	No data available
Poly (methyl methacrylate)	No data available	No data available	No data available
Hydroquinone	TWA: 1 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	IDLH: 50 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup>

## Engineering Measures

Ensure adequate ventilation

## Personal Protective Equipment

## Eye/Face Protection

Safety glasses with side-shields

## Skin Protection

Wear suitable protective clothing, Impervious gloves.

## Respiratory Protection

In case of inadequate ventilation wear respiratory protection

## General Hygiene Considerations

Ensure that eyewash stations and safety showers are close to the workstation location. Wash contaminated clothing before re-use

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Paste	Viscosity	Viscous
Color	Colorless	Odor	Strong
Appearance	Transparent	pH	Not applicable
Specific Gravity	1.05	Evaporation Rate	<1 (Butyl acetate=1)
Percent Volatile (Volume)	100	VOC Content (%)	100
VOC Content (g/l)	1050	Vapor Pressure	1 mmHg @ 70 °F
Vapor Density	<1 (Air = 1.0)	Solubility	Negligible
Boiling Point/Range	365°F/185°C		

## 10. STABILITY AND REACTIVITY

## Chemical Stability

Stable under normal conditions

## Conditions to Avoid

Heat, flames, and sparks

## Incompatible Products

Strong oxidizing agents, Water, Alcohols, Amines, Bases.

## Hazardous Decomposition Products

Carbon oxides, Nitrogen oxides (NOx).

## Possibility of Hazardous Reactions

None under normal processing

## 11. TOXICOLOGICAL INFORMATION

## Product Information

No information available

## Component Information

## Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Ethyl cyanoacrylate	5 mL/kg ( Rat )	no data available	no data available	no data available	no data available
Poly (methyl methacrylate)	no data available	no data available	no data available	no data available	no data available
Hydroquinone	320 mg/kg ( Rat )	900 mg/kg ( Rat )	no data available	no data available	no data available

## Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Ethyl cyanoacrylate	no data available	no data available	no data available	no data available	Bone marrow
Poly (methyl methacrylate)	no data available	no data available	no data available	no data available	no data available
Hydroquinone	no data available	no data available	no data available	no data available	eyes, skin, CNS, respiratory system

## Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
Ethyl cyanoacrylate	not applicable	not applicable	not applicable	not applicable	not applicable
Poly (methyl methacrylate)	not applicable	not applicable	not applicable	not applicable	not applicable
Hydroquinone	A3	not applicable	not applicable	not applicable	not applicable

## 12. ECOLOGICAL INFORMATION

## Product Information

No information available

## Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Ethyl cyanoacrylate	no data available	no data available	no data available	no data available	N/A
Poly (methyl methacrylate)	no data available	no data available	no data available	no data available	N/A
Hydroquinone	120 Hr EC50 Scenedesmus subspicatus: 13.5 mg/L	96 Hr LC50 Oncorhynchus mykiss: 0.044 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 0.044 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 0.1-0.18 mg/L [static]; 96 Hr LC50 Brachydanio rerio: 0.17 mg/L	EC50 = 0.038 mg/L 15 min EC50 = 0.0382 mg/L 30 min EC50 = 0.042 mg/L 5 min EC50 = 23.75 mg/L 60 min	48 Hr EC50 water flea: 0.05 mg/L	0.5

## Persistence and Degradability

No information available

## Bioaccumulation

No information available

## Mobility

No information available

## 13. DISPOSAL CONSIDERATIONS

## Product Disposal

Dispose of in accordance with local regulations

## Container Disposal

Empty containers should be taken for local recycling, recovery or waste disposal

## 14. TRANSPORT INFORMATION

DOT Not regulated  
 TDG Not regulated  
 ICAO Not regulated  
 IATA Not regulated  
 IMDG/IMO Not regulated

## 15. REGULATORY INFORMATION

## Inventories

TSCA Complies  
 DSL Complies

## U.S. Federal Regulations

## SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Hydroquinone	123-31-9	0.1-1	1.0

## SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	Yes	No	No

## CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Ethyl cyanoacrylate	Not applicable	Not applicable
Poly (methyl methacrylate)	Not applicable	Not applicable
Hydroquinone	100 lb	= 10000 lb upper threshold TPQ = 500 lb lower threshold TPQ 100 lb

## Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

## WHMIS Hazard Class

B3 Combustible liquid, D2B Toxic materials.



## 16. OTHER INFORMATION

Prepared By Kristen Stansbury  
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 Reason for Revision No information available  
 Glossary No information available  
 List of References. No information available

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