

Safety Data Sheet: INSTANT ADHESIVE, 3/PK, M/M

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name INSTANT ADHESIVE, 3/PK, M/M
Recommended use Contact adhesive
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 4830
Chemical nature Cyanoacrylate
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Clear - Straw

Physical State Liquid

Odor Strong

GHS

Classification

Physical Hazards

Flammable liquids

Category 4

Health Hazard

Skin Corrosion/Irritation

Category 2

Serious Eye Damage/Eye Irritation

Category 2

Specific target organ systemic toxicity (single exposure)

Category 3

Specific target organ systemic toxicity (repeated exposure)

Category 2

Other hazards

None

Labeling

Signal Word

WARNING



Hazard Statements

H227 - Combustible liquid

H315 - Causes skin irritation

H320 - Causes eye irritation

H336 - May cause drowsiness or dizziness

H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary Statements

P210 - Keep away from heat, sparks, open flames or hot surfaces.

P280 - Wear protective gloves, protective clothing and eye protection.

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P260 - Do not breathe the mist or vapor.

P271 - Use in a well-ventilated area.

P302+ P352 - IF ON SKIN: Wash with plenty of soap and water

P332 + P313 - If skin irritation occurs, get medical attention.

P362 - Take off contaminated clothing and wash before reuse

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists, get medical attention.

P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P312 - Call a physician if unwell.

P403 + P235 - Store in a well-ventilated place. Keep cool

P233 - Keep container tightly closed

P501 - Dispose of contents and container in accordance with applicable regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Ethyl cyanoacrylate	7085-85-0	60-100
Poly (methyl methacrylate)	9011-14-7	10-30
Hydroquinone	123-31-9	0.1-1

4. FIRST AID MEASURES

General advice	Do not get in eyes, on skin or on clothing. Avoid breathing vapors or mists.
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. Do not peel solidified product off the skin. Get medical attention immediately.
Inhalation	Move to fresh air. In case of shortness of breath, give oxygen. If breathing has stopped, apply artificial respiration. Get medical attention immediately.
Ingestion	If swallowed. Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately.
Notes to physician	Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

5. FIRE-FIGHTING MEASURES

Flash Point	185 °F / 85 °C	Method	Tag closed cup
Flammability Limits in Air %	No information available.	Upper	No data available
		Lower	No data available
Suitable Extinguishing Media	Water spray. Dry powder. Foam. Carbon dioxide (CO ₂). Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
Specific hazards arising from the chemical	Combustible Liquid. Material can create slippery conditions.		
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		
NFPA	Health 1	Flammability 2	Instability 1
HMIS	Health 1	Flammability 2	Instability 1

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Prevent further leakage or spillage if safe to do so.
Environmental Precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning Up	Use clean non-sparking tools to collect absorbed material. 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 containers tightly closed in a dry, cool and well-ventilated place.			
Storage Temperature	Minimum	41 °F / 5 °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 ³	TWA: 2 mg/m ³	IDLH: 50 mg/m ³ Ceiling: 2 mg/m ³

Engineering Measures	Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.
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. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
General Hygiene Considerations	Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Viscosity	Semi-viscous
Color	Clear - Straw	Odor	Strong
Odor Threshold	Not applicable	Appearance	Transparent
pH	Not applicable	Specific Gravity	1.05
Evaporation Rate	No data available	Percent Volatile (Volume)	No data available
VOC Content (%)	< 1	VOC Content (g/L)	< 10
Vapor Pressure	1 mmHg @ 68°F	Vapor Density	No information available
Solubility	Polymerization can occur	n-Octanol/Water Partition	No data available
Melting Point/Range	No data available	Decomposition Temperature	No data available
Boiling Point/Range	365 °F / 185 °C	Flammability (solid, gas)	No data available
Flash Point	185 °F / 85 °C	Method	Tag closed cup
Autoignition Temperature	No information available.		
Flammability Limits in Air %	No information available.	Upper	No data available
		Lower	No data available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Protect from water, Protect from moisture.
Incompatible Products	Water, Amines, Alcohols, Bases.
Hazardous Decomposition Products	Carbon oxides
Possibility of Hazardous Reactions	Violent polymerization may be caused by, Water, Alcohols , Amines , Bases.

11. TOXICOLOGICAL INFORMATION

Product Information

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

Oral LD50	5,063.98
Dermal LD50	No information available
Inhalation LC50	
Gas	No information available
Mist	No information available
Vapor	No information available

Principle Route of Exposure Eye contact, Skin contact, Inhalation.

Primary Routes of Entry Skin Absorption

Acute Effects

Eyes	Causes eye irritation. Eyelid bonding .
Skin	May cause skin irritation. Bonds skin instantly. May cause allergic skin reaction.
Inhalation	Causes respiratory tract irritation. Inhalation may cause central nervous system effects. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Polymerization can occur.

Chronic Toxicity

Target Organ Effects Liver and kidney injuries may occur.

Aggravated Medical Conditions Skin, Eyes, Central nervous system, Respiratory system, Liver, Immune system.

Component Information Skin disorders, Respiratory disorders.

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Ethyl cyanoacrylate	no data available	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, liver, bone marrow, CNS, respiratory system, skin

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

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	EC50 = 13.5 mg/L Desmodesmus subspicatus 120 h EC50 = 0.335 mg/L Pseudokirchneriella subcapitata 72 h	LC50 = 0.044 mg/L Oncorhynchus mykiss 96 h LC50 = 0.044 mg/L Pimephales promelas 96 h LC50 0.1 - 0.18 mg/L Pimephales promelas 96 h LC50 = 0.17 mg/L Brachydanio rerio 96 h	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	EC50= 0.29 mg/L 48 h	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 40 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	Yes

CERCLA

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

16. OTHER INFORMATION

Prepared By

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Reason for Revision No information available.
Glossary No information available.
List of References. No information available.

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