

Safety Data Sheet: ADHESIVE GEL

Supersedes Date 01/05/2009

Issuing Date 10/04/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name ADHESIVE GEL
Recommended use Adhesive
Information on Manufacturer
Partsmaster, Div of NCH Corp.
P.O. Box 655326
Dallas, TX 75265-5326

Product Code 57005000
Chemical nature Cyanoacrylate
Emergency Telephone Number
CHEMTREC® 800-424-9300

2. HAZARD IDENTIFICATION

Color White

Physical State Liquid

Odor Strong Pungent

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

Other hazards

None

Labeling

Signal Word

WARNING



Hazard Statements

H227 - Combustible liquid

H315 - Causes skin irritation

H319 - Causes serious eye irritation

Precautionary Statements

P261 - Avoid breathing vapor, mist or gas.

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

P271 - Use in a well-ventilated area.

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

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

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P312 - Call a physician if unwell.

P321 - Specific treatment (see supplemental first aid instructions on this label)

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

P362 - Take off contaminated clothing and wash before reuse

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water or shower

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

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

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.

P370+P378 In case of fire, use dry chemical extinguisher or flush with large amounts of water for extinction.

P405 - Store locked up

P273 - Avoid release to the environment

P501 - Dispose of contents and container to an approved waste disposal plant.

99 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS

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

4. FIRST AID MEASURES

General advice	Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist, or gas.
Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention immediately.
Skin Contact	Do not peel solidified product off the skin. Wash off with soap and plenty of water.
Inhalation	Move to fresh air. Get medical attention if symptoms occur.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Do not induce vomiting without medical advice. Get medical attention if symptoms occur.
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
Upper	No data available	Lower	No data available
Suitable Extinguishing Media	Use: Dry chemical. Water spray. Carbon dioxide (CO2).		
Specific hazards arising from the chemical	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.		
NFPA	Health 2	Flammability 2	Instability 1
HMIS	Health 2	Flammability 2	Instability 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. Remove all sources of ignition. Ensure adequate ventilation.
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	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas.				
Storage	Store in original container. Keep container tightly closed in a dry and well-ventilated place.				
Storage Temperature	Minimum	41 °F / 5 °C		Maximum	50 °F / 10 °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.
Personal Protective Equipment	
Eye/Face Protection	Safety glasses with side-shields. Tightly fitting safety goggles.
Skin Protection	Nitrile rubber, Do not wear cotton gloves, Do not wear PVC gloves, as PVC absorbs acrylates.
Respiratory Protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
General Hygiene Considerations	Do not get in eyes, on skin, or on clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Viscosity	Non viscous
Color	White	Odor	Strong Pungent
Odor Threshold	Not applicable	Appearance	Transparent
pH	Not applicable	Specific Gravity	1.10
Evaporation Rate	Not applicable	Percent Volatile (Volume)	No information available
VOC Content (%)	<1.8	VOC Content (g/L)	<20
Vapor Pressure	1 mmHg @ 70°F	Vapor Density	Not applicable
Solubility	Insoluble	n-Octanol/Water Partition	No data available
Melting Point/Range	No data available	Decomposition Temperature	No data available
Decomposition temperature °F	176	Decomposition temperature °C	80
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.		
Upper No data available Lower	No data available		

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	Keep away from open flames, hot surfaces, and sources of ignition, Protect from moisture, Avoid alkalines, Temperatures above 80°C.
Incompatible Products	Water, Alcohols, Amines, Bases. > 176 °F
Hazardous Decomposition Products	Carbon oxides, Nitrogen oxides (NOx), Hydrogen cyanide (hydrocyanic acid).
Possibility of Hazardous Reactions	None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information

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

Oral LD50 No information available

Dermal LD50 No information available

Inhalation LC50

Gas No information available

Mist No information available

Vapor No information available

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

Primary Routes of Entry Inhalation

Acute Effects

Eyes Causes eye irritation. Eyelid bonding .

Skin May cause skin irritation. Bonds skin instantly.

Inhalation May cause irritation of respiratory tract.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Ingestion may cause irritation to mucous membranes.

Chronic Toxicity Repeated contact may cause allergic reactions in very susceptible persons.

Target Organ Effects Respiratory system, Bone Marrow, Skin, Eyes.

Aggravated Medical Conditions Allergies, Skin disorders, Respiratory system.

Component Information

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

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	.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

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

16. OTHER INFORMATION

Prepared By	Christopher Drogin
Supersedes Date	01/05/2009
Issuing Date	10/04/2013
Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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