Safety Data Sheet GAPPER ADHESIVE

Supercedes Date 07/10/2014 **Issuing Date** 09/13/2016

1. PRODUCT AND COMPANY IDENTIFICATION

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

Product Code 67050010
Chemical nature Cyanoacrylate
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
800-336-0450

2. HAZARD IDENTIFICATION

Color Straw **Physical state** Liquid **Odor** Peculiar

GHS
Classification
Physical Hazards
Flammable liquids

Health Hazard

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Skin sensitization	Category 1
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
H317 - May cause an allergic skin reaction
H335 - May cause respiratory irritation

Precautionary Statements
P210 - Keep away from heat, sparks, open flames or hot surfaces.
P261 - Avoid breathing mist.
P271 - Use in a well-ventilated area.
P280 - Wear protective gloves, protective clothing and eye protection.
P264 - Wash face, hands and any exposed skin thoroughly after handling
P272 - Contaminated work clothing should not be allowed out of the workplace
P321 - Specific treatment (see supplemental first aid instructions on this label)
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P333 - If skin irritation or rash occurs get medical attention.
P362 - Take off contaminated clothing and wash before reuse
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.
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 extiguisher or flush with large amounts of water for extinction.
P403 + P235 - Store in a well-ventilated place. Keep cool.
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P405 - Store locked up
P501 - Dispose of contents and container to an approved waste disposal plant.

19 % of the mixture consists of ingredient(s) of unknown toxicity

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	0.1-1.0

*The exact percentage (concentration) of composition has been withheld as a trade secret

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 if irritation develops and persists.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. 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 Clean mouth with water and afterwards drink plenty of water.

Notes to physician Treat symptomatically.

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

Dry chemical. Water spray.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (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. 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 Contain spillage, soak up with water and transfer to a container for disposal according to local / national regulations.

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 containers dry and tightly closed to avoid moisture absorption and contamination.

Storage Temperature **Minimum** 23 °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
Hydroquinone	TWA: 1 mg/m^3	TWA: 2 mg/m^3	50 mg/m^3 Ceiling: 2 mg/m^3

Engineering Measures Use with local exhaust ventilation.

Personal Protective Equipment

Eye/Face Protection Safety glasses with side-shields.

Skin Protection Wear suitable protective clothing, Polyvinyl alcohol or nitrile- butyl-rubber 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	**Viscosity**	650-850 cP
Color	Straw	**Odor**	Peculiar
Odor Threshold	Not applicable	**Appearance**	Transparent
pH	No data available	**Specific Gravity**	1.06
Evaporation Rate	Not determined	**Percent Volatile (Volume)**	No information available
VOC Content (%)	<1.9	**VOC Content (g/L)**	0
Vapor Pressure	1 mmHg @ 20 °C	**Vapor Density**	No information available
Solubility	Insoluble	**n-Octanol/Water Partition**	No data available
Melting Point/Range	366 °F / 186 °C	**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.		

Upper: No data available **Lower:** No data available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	Exposure to air or moisture over prolonged periods, Extremes of temperature and direct sunlight.
Incompatible Products	Protect from light, Water, Alcohols, Amines, Alkaline.
Decomposition Temperature	No data available
Hazardous Decomposition Products	None under normal use.
Possibility of Hazardous Reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

The following values are calculated based on chapter 3.1 of the GHS document

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	Skin contact.
Acute Effects:	
Eyes	Causes eye irritation.
Skin	Prolonged or repeated contact may cause drying and chapping of the skin.
Inhalation	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Ingestion	Not applicable. Not an expected route of exposure.
Chronic Toxicity	May cause sensitization by skin contact.
Target Organ Effects	Respiratory system.
Aggravated Medical Conditions	Skin disorders, Respiratory system.

Component Information

Acute Toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Hydroquinone 123-31-9	= 298 mg/kg (Rat)	= 74800 mg/kg (Rabbit)	No data available	No data available	No data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Ethyl cyanoacrylate 7085-85-0	No data available	Skin sensitization	No data available	No data available	No data available
Hydroquinone 123-31-9	No data available	No data available	No data available	No data available	Skin; Central nervous system; Eyes; Respiratory system

Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
Poly (methyl methacrylate) 9011-14-7	not applicable	Group 3	not applicable	not applicable	not applicable
Hydroquinone 123-31-9	A3	Group 3	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition coefficien
Hydroquinone	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	0.29: 48 h Daphnia magna mg/L EC50	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:

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 None

Component	Hazardous Substances RQs	CERCLA EHS RQs
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

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Reason for Revision No information available.
Glossary No information available.

List of References. No information available.

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