

# Safety Data Sheet

Material Name: Krazy Glue All Purpose Gel

## \*\*\* Section 1 - Product and Company Identification \*\*\*

### Manufacturer Information

Elmer's Products Inc.  
460 Polaris Parkway  
Westerville, OH 43082

Phone: 1-888-435-6377

Emergency # 1-888-516-2502

## \*\*\* Section 2 - Hazards Identification \*\*\*

### GHS Classification:

Skin Irritation - Category 2  
Eye Irritation - Category 2  
Carcinogenicity - Category 2  
Hazardous to the Aquatic Environment Acute - Category 1

### GHS LABEL ELEMENTS

#### Symbol(s)



#### Signal Word

Danger

#### Hazard Statements

Causes skin irritation.  
Causes serious eye irritation.  
Suspected of causing cancer.  
Very toxic to aquatic life.

#### Precautionary Statements

##### Prevention

Wash thoroughly after handling.  
Wear protective gloves/eye protection/face protection.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Avoid release to the environment.

##### Response

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF exposed or concerned: Get medical advice/attention.  
Collect spillage.

##### Storage

Store locked up

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## Disposal

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

### \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

CAS #	Component	Percent
7085-85-0	Ethyl cyanoacrylate	85-95
68611-44-9	Silane, dichlorodimethyl-, reaction products with Silica	4-8
9011-14-7	Methyl methacrylate polymer	1-5
25322-69-4	Polypropylene glycol	<1
123-31-9	Hydroquinone	<0.1

### \*\*\* Section 4 - First Aid Measures \*\*\*

#### First Aid: Eyes

If eye contact occurs, hold eyelid open and rinse thoroughly but gently with only water for 15 minutes and GET MEDICAL ATTENTION. Do not use any solvents to flush the eye and its surroundings. Liquid glue will sting eye temporarily. Solidified glue may irritate eye like a grain of sand and should be treated by an eye doctor.

#### First Aid: Skin

If skin bonding occurs, soak in nail polish remover or acetone and carefully peel or roll skin apart (do not pull).

#### First Aid: Ingestion

If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control center or hospital emergency room for any other additional treatment directions.

#### First Aid: Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Call a physician.

### \*\*\* Section 5 - Fire Fighting Measures \*\*\*

#### General Fire Hazards

See Section 9 for Flammability Properties.  
Keep away from heat and flame.

#### Hazardous Combustion Products

Oxides of carbon.

#### Extinguishing Media

In case of fire, use water spray, dry chemical, foam or CO2. Use water to keep fire-exposed containers cool.

#### Unsuitable Extinguishing Media

None

#### Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

### \*\*\* Section 6 - Accidental Release Measures \*\*\*

#### Recovery and Neutralization

Stop the flow of material, if this is without risk.

#### Materials and Methods for Clean-Up

Eliminate all ignition sources. Sweep (scoop) up and remove to a chemical disposal area.

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## Emergency Measures

Isolate area. Keep unnecessary personnel away.

## Personal Precautions and Protective Equipment

None

## Environmental Precautions

Prevent entry into natural bodies of water.

## Prevention of Secondary Hazards

None

## \* \* \* Section 7 - Handling and Storage \* \* \*

### Handling Procedures

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing. Wash thoroughly after handling.

### Storage Procedures

Keep away from amines. Store in cool, dry area away from sun and heat. Keep containers tightly closed. Exposure to small amounts of moisture, even moisture in air, causes polymerization and renders the product unusable. Keep away from heat, sparks, flame and other ignition sources.

### Incompatibilities

Water, alcohols, amines, bases and direct UV.

## \* \* \* Section 8 - Exposure Controls / Personal Protection \* \* \*

### Component Exposure Limits

#### Ethyl cyanoacrylate (230-391-5)

ACGIH:	0.2 ppm TWA
Austria:	2 ppm TWA [TMW]; 9 mg/m <sup>3</sup> TWA [TMW]
Belgium:	0.2 ppm TWA; 1.04 mg/m <sup>3</sup> TWA
Denmark:	2 ppm TWA; 10 mg/m <sup>3</sup> TWA
Finland:	0.2 ppm TWA; 1 mg/m <sup>3</sup> TWA
Ireland:	0.2 ppm TWA
Portugal:	0.2 ppm TWA [VLE-MP]
Spain:	0.2 ppm TWA [VLA-ED]
Sweden:	2 ppm LLV; 10 mg/m <sup>3</sup> LLV 4 ppm STV; 20 mg/m <sup>3</sup> STV

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## Hydroquinone (204-617-8)

ACGIH: 1 mg/m3 TWA  
Sensitizer

Austria: 4 mg/m3 STEL [KZW] (inhalable fraction, 8 X 5 min)  
2 mg/m3 TWA [TMW] (inhalable fraction)  
Sensitizer

Belgium: 2 mg/m3 TWA

Denmark: 2 mg/m3 Ceiling

Finland: 2 mg/m3 STEL  
0.5 mg/m3 TWA

France: 2 mg/m3 TWA [VME]

Greece: 4 mg/m3 STEL  
2 mg/m3 TWA

Ireland: 0.5 mg/m3 TWA

Portugal: 2 mg/m3 TWA [VLE-MP]

Spain: 2 mg/m3 TWA [VLA-ED]  
sensitizer

Sweden: 0.5 mg/m3 LLV  
1.5 mg/m3 STV

## Engineering Measures

If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentration levels below acceptable criteria.

## Personal Protective Equipment: Respiratory

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

## Personal Protective Equipment: Hands

Wear appropriate chemical resistant gloves.

## Personal Protective Equipment: Eyes

Use goggles if contact is likely.

## Personal Protective Equipment: Skin and Body

Wear appropriate chemical resistant clothing.

## \* \* \* Section 9 - Physical & Chemical Properties \* \* \*

<b>Appearance:</b>	Colorless gel	<b>Odor:</b>	Irritating
<b>Physical State:</b>	liquid	<b>pH:</b>	ND
<b>Vapor Pressure:</b>	0.13 mm Hg @ 20°C	<b>Vapor Density:</b>	>1
<b>Boiling Point:</b>	62°C	<b>Melting Point:</b>	ND
<b>Solubility (H2O):</b>	Negligible	<b>Specific Gravity:</b>	1.09
<b>Freezing Point:</b>	<-20°C	<b>Evaporation Rate:</b>	<1
<b>VOC:</b>	ND	<b>Octanol/H2O Coeff.:</b>	ND
<b>Flash Point:</b>	83°C	<b>Flash Point Method:</b>	CC
<b>Upper Flammability Limit</b>	ND	<b>Lower Flammability Limit</b>	ND
<b>(UFL):</b>		<b>(LFL):</b>	
<b>Burning Rate:</b>	ND	<b>Auto Ignition:</b>	485°C

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## \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

### Chemical Stability

Normally stable, but may become unstable at high temperatures or may react with water.

### Hazardous Reaction Potential

Will not occur.

### Conditions to Avoid

Exposure to heat, flame and incompatibles.

### Incompatible Products

Water, alcohols, amines, bases and direct UV.

### Hazardous Decomposition Products

Oxides of carbon.

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Acute Toxicity

#### A: General Product Information

None anticipated under normal product use conditions.

#### B: Component Analysis - LD50/LC50

##### Ethyl cyanoacrylate (7085-85-0)

Oral LD50 Rat >5 mL/kg

##### Polypropylene glycol (25322-69-4)

Oral LD50 Rat >2 g/kg

##### Hydroquinone (123-31-9)

Oral LD50 Rat 320 mg/kg; Dermal LD50 Rat >900 mg/kg

### Potential Health Effects: Skin Corrosion Property/Stimulativeness

Bonds skin instantly. Causes irritation.

### Potential Health Effects: Eye Critical Damage/ Stimulativeness

Bonds eyelids instantly. Causes irritation.

### Potential Health Effects: Ingestion

This product is not reported to have any ingestion hazards.

### Potential Health Effects: Inhalation

May be harmful if inhaled. Vapor may cause irritation of nose, throat and lungs.

### Respiratory Organs Sensitization/Skin Sensitization

This product is not reported to have skin sensitization effects.

### Generative Cell Mutagenicity

This product is not reported to have any mutagenic effects.

### Carcinogenicity

#### A: General Product Information

Suspected of causing cancer.

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## B: Component Carcinogenicity

### Methyl methacrylate polymer (9011-14-7)

IARC: Supplement 7 [1987]; Monograph 19 [1979] (Group 3 (not classifiable))

### Hydroquinone (123-31-9)

ACGIH: A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

IARC: Monograph 71 [1999]; Supplement 7 [1987]; Monograph 15 [1977] (Group 3 (not classifiable))

## Reproductive Toxicity

This product is not reported to have any reproductive toxicity effects.

## Specified Target Organ General Toxicity: Single Exposure

This product is not reported to have any specified target organ single exposure effects.

## Specified Target Organ General Toxicity: Repeated Exposure

This product is not reported to have any specified target organ repeat exposure effects.

## Aspiration Respiratory Organs Hazard

This product is not reported to have any aspiration hazards.

* * * <b>Section 12 - Ecological Information</b> * * *
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## Ecotoxicity

### A: General Product Information

Very toxic to aquatic life.

### B: Component Analysis - Ecotoxicity - Aquatic Toxicity

#### Hydroquinone (123-31-9)

##### Test & Species

##### Conditions

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
120 Hr EC50 Desmodesmus subspicatus	13.5 mg/L
72 Hr EC50 Pseudokirchneriella subcapitata	0.335 mg/L
48 Hr EC50 Daphnia magna	0.29 mg/L

## Persistence/Degradability

No information available for the product.

## Bioaccumulation

No information available for the product.

## Mobility in Soil

No information available for the product.

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## \*\*\* Section 13 - Disposal Considerations \*\*\*

### Waste Disposal Instructions

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

### Disposal of Contaminated Containers or Packaging

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

## \*\*\* Section 14 - Transportation Information \*\*\*

### IATA Information

Shipping Name: Not Regulated

### ICAO Information

Shipping Name: Not Regulated

### IMDG Information

Shipping Name: Not Regulated

## \*\*\* Section 15 - Regulatory Information \*\*\*

### Regulatory Information

#### EU MARKING AND LABELLING:

##### Symbol(s):

Xi

##### Risk Phrases:

R36/37/38 Irritating to eyes, respiratory system and skin.

#### Substance Analysis - Inventory

Component/CAS	EC #	EEC	CAN	TSCA
Ethyl cyanoacrylate 7085-85-0	230-391-5	EINECS	DSL	Yes
Silane, dichlorodimethyl-, reaction products with Silica 68611-44-9	271-893-4	EINECS	DSL	Yes
Methyl methacrylate polymer 9011-14-7	618-466-4	No	DSL	Yes
Polypropylene glycol 25322-69-4	500-039-8	No	DSL	Yes
Hydroquinone 123-31-9	204-617-8	EINECS	DSL	Yes

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* * * <b>Section 16 - Other Information</b> * * *
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## Key/Legend

ACGIH = American Conference of Governmental Industrial Hygienists; ADG = Australian Code for the Transport of Dangerous Goods by Road and Rail; ADR/RID = European Agreement of Dangerous Goods by Road/Rail; AS = Standards Australia; DFG = Deutsche Forschungsgemeinschaft; DOT = Department of Transportation; DSL = Domestic Substances List; EEC = European Economic Community; EINECS = European Inventory of Existing Commercial Chemical Substances; ELINCS = European List of Notified Chemical Substances; EU = European Union; HMIS = Hazardous Materials Identification System; IARC = International Agency for Research on Cancer; IMO = International Maritime Organization; IATA = International Air Transport Association; MAK = Maximum Concentration Value in the Workplace; NDSL = Non-Domestic Substances List; NFPA = National Fire Protection Association; NOHSC = National Occupational Health & Safety Commission; NTP = National Toxicology Program; STEL = Short-term Exposure Limit; TDG = Transportation of Dangerous Goods; TLV = Threshold Limit Value; TSCA = Toxic Substances Control Act; TWA = Time Weighted Average

## Literature References

None

End of Sheet