



Safety Data Sheet:  
**Material Name: Krazy Glue**  
**Color-Changing Series**  
**SDS ID: SDS-80**  
Issue Date: 2015-04-29  
Revision: .

**Other Sections**

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## **Section 1 - PRODUCT AND COMPANY IDENTIFICATION**

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**Material Name**

Krazy Glue Color-Changing Series

**Synonyms**

KG587, KG588, KG988, 10588

**Chemical Family**

Cyanoacrylate containing adhesive.

**Restrictions on Use**

None known.

**Manufacturer Information**

Elmer's Products, Inc  
460 Polaris Parkway, Suite 500  
Westerville, OH 43082  
USA  
Phone:1-888-435-6377  
Fax:1-800-741-6046  
Email:comments@elmers.com

Emergency Phone Number:  
Poison Control Center  
1-888-516-2502

For additional product information, access our website at [www.elmers.com](http://www.elmers.com). To place an order, call 1-800-848-9400.

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## **Section 2 - HAZARDS IDENTIFICATION**

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**Classification in accordance with paragraph (d) of 29 CFR 1910.1200.**

Flammable Liquids - Category 4  
Serious Eye Damage/Eye Irritation - Category 2A  
Skin Sensitization - Category 1A  
Specific Target Organ Toxicity - Single Exposure - Category 3  
Hazardous to the Aquatic Environment - Acute - Category 2  
Hazardous to the Aquatic Environment - Chronic - Category 3

## GHS Label Elements

### Symbol(s)



### Signal Word

Warning

### Hazard Statement(s)

Combustible liquid  
Causes serious eye irritation  
May cause allergic skin reaction  
May cause respiratory irritation  
Toxic to aquatic life  
Harmful to aquatic life with long lasting effects

### Precautionary Statement(s)

#### Prevention

Keep away from heat/sparks/open flame/hot surfaces - No smoking  
Use only outdoors or in a well-ventilated area  
Wear protective gloves/protective clothing/eye protection/face protection  
Avoid breathing dust/fume/gas/mist/vapours/spray  
Wash thoroughly after handling  
Contaminated work clothing must not be allowed out of the workplace  
Avoid release to the environment

#### Response

In case of fire: Use appropriate media to extinguish  
IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing  
Call a POISON CENTER or doctor if you feel unwell  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention  
IF ON SKIN: Wash with plenty of soap and water

If skin irritation or rash occurs: Get medical advice/attention  
 Wash contaminated clothing before reuse  
 Specific treatment (see label)

### Storage

Store in a well-ventilated place. Keep container tightly closed  
 Keep cool  
 Store locked up

### Disposal

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

### Other Hazards

None known

## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
7085-85-0	Ethyl cyanoacrylate	>90
77-90-7	1,2,3-Propanetricarboxylic acid, 2-(acetyloxy)-, tributyl ester	4

## Section 4 - FIRST AID MEASURES

### Inhalation

Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

### Skin

Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Peel or roll the surfaces apart using a blunt edge, such as a spatula or spoon handle. Do not pull surfaces apart with a direct opposing action.

### Eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

### Ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Immediately call a POISON CENTER.

## Most Important Symptoms/Effects

### Acute

May cause respiratory irritation, eye irritation. May cause allergic skin reaction.

### Delayed

No information on significant adverse effects.

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## Section 5 - FIRE FIGHTING MEASURES

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### Extinguishing Media

#### Suitable Extinguishing Media

Use carbon dioxide, regular dry chemical, regular foam or water.

#### Unsuitable Extinguishing Media

Do not use high-pressure water streams.

### Special Hazards Arising from the Chemical

Combustible liquid.

### Hazardous Combustion Products

Oxides of carbon

### Special Protective Equipment and Precautions for Firefighters

Vapors may form explosive mixtures with air. Vapors can travel considerable distances to a source of ignition where they can ignite, flash back, or explode. Vapors are heavier than air. Prevent entry into waterways, sewers, basements, or confined areas. May explode when heated.

### Fire Fighting Measures

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure. Move container from fire area if it can be done without risk. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Cool containers with water spray until well after the fire is out. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible withdraw from area and let fire burn. Do not scatter spilled material with high-pressure water streams.

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## Section 6 - ACCIDENTAL RELEASE MEASURES

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### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8. Keep unnecessary people away, isolate hazard area and deny entry. Stay upwind and keep out of low areas. Ventilate closed spaces before entering.

## Methods and Materials for Containment and Cleaning Up

Eliminate all sources of ignition. Do not touch or walk through spilled material. Stop leak if possible without personal risk. Prevent entry into waterways, sewers, basements, or confined areas. Reduce vapors with water spray. Absorb with earth, sand or other non-combustible material and transfer to container. Use non-sparking tools. Large spills: Dike for later disposal.

## Environmental Precautions

Avoid release to the environment.

## Section 7 - HANDLING AND STORAGE

### Precautions for Safe Handling

Keep away from heat/sparks/open flame/hot surfaces - No smoking. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

### Conditions for Safe Storage, Including any Incompatibilities

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

Keep cool

Store locked up

Avoid contact with water or moisture. Keep away from heat and ignition sources. Keep away from incompatible materials. Protect from sunlight.

### Incompatible Materials

Water, alcohol, bases, amines

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### Component Exposure Limits

Ethyl cyanoacrylate	7085-85-0
ACGIH:	0.2 ppm TWA

### Biological limit value

There are no biological limit values for any of this product's components.

### Engineering Controls

Provide local exhaust or process enclosure ventilation system. Ensure compliance with applicable exposure limits.

### Individual Protection Measures, such as Personal Protective Equipment

**Eye/face protection**

Wear splash resistant safety goggles with a faceshield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

**Skin Protection**

Wear appropriate chemical resistant clothing.

**Respiratory Protection**

Under conditions of frequent use or heavy exposure, respiratory protection may be needed. A NIOSH approved air-purifying respirator with an appropriate cartridge or canister may be appropriate under certain circumstances where airborne concentrations are expected to exceed exposure limits.

**Glove Recommendations**

Wear appropriate chemical resistant gloves.

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## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	clear purple liquid	<b>Physical State</b>	liquid
<b>Odor</b>	irritating odor	<b>Color</b>	clear,purple,liquid
<b>Odor Threshold</b>	Not available	<b>pH</b>	Not available
<b>Melting Point</b>	Not available	<b>Boiling Point</b>	62 °C
<b>Freezing point</b>	-22 °C	<b>Evaporation Rate</b>	Not available
<b>Boiling Point Range</b>	Not available	<b>Flammability (solid, gas)</b>	Not available
<b>Autoignition</b>	Not available	<b>Flash Point</b>	83 °C
<b>Lower Explosive Limit</b>	Not available	<b>Decomposition</b>	Not available
<b>Upper Explosive Limit</b>	Not available	<b>Vapor Pressure</b>	0.13 mmHg (@ 20 °C)
<b>Vapor Density (air=1)</b>	>1	<b>Specific Gravity (water=1)</b>	Not available
<b>Water Solubility</b>	insoluble (causes rapid polymerization)	<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Viscosity</b>	40 cps (@ 25 °C)	<b>Solubility (Other)</b>	Not available
<b>Density</b>	1.05 g/cm <sup>3</sup>	<b>VOC</b>	0 g/L (SCAQMD Method 316B)

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## **Section 10 - STABILITY AND REACTIVITY**

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### **Reactivity**

May polymerize when heated. Avoid contact with water or moisture. Avoid contact with light.

### **Chemical Stability**

Unstable at elevated temperatures.

### **Possibility of Hazardous Reactions**

May polymerize. Avoid contact with water or moisture.

### **Conditions to Avoid**

Avoid heat, flames, sparks and other sources of ignition. Containers may rupture or explode if exposed to heat. Keep out of water supplies and sewers. Avoid contact with water or moisture.

### **Incompatible Materials**

Water, alcohols, bases, amines

### **Hazardous decomposition products**

Oxides of carbon

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## **Section 11 - TOXICOLOGICAL INFORMATION**

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### **Information on Likely Routes of Exposure**

#### **Inhalation**

May cause respiratory irritation.

#### **Skin Contact**

May cause allergic skin reaction.

#### **Eye Contact**

Causes serious eye irritation.

#### **Ingestion**

No information on significant adverse effects.

### **Acute and Chronic Toxicity**

#### **Component Analysis - LD50/LC50**

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Ethyl cyanoacrylate (7085-85-0)  
Oral LD50 Rat > 5 mL/kg

### **Immediate Effects**

May cause respiratory irritation, eye irritation. May cause allergic skin reaction.

### **Delayed Effects**

No information on significant adverse effects.

### **Irritation/Corrosivity Data**

May cause respiratory irritation, eye irritation.

### **Respiratory Sensitization**

No information on significant adverse effects.

### **Dermal Sensitization**

May cause allergic skin reaction.

### **Component Carcinogenicity**

None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA

### **Germ Cell Mutagenicity**

No information available for the product.

### **Reproductive Toxicity**

No information available for the product.

### **Specific Target Organ Toxicity - Single Exposure**

Respiratory system

### **Specific Target Organ Toxicity - Repeated Exposure**

No target organs identified.

### **Aspiration hazard**

No information available for the product.

### **Medical Conditions Aggravated by Exposure**

No data available.

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## **Section 12 - ECOLOGICAL INFORMATION**

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### **Component Analysis - Aquatic Toxicity**

No LOLI ecotoxicity data are available for this product's components

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## Section 13 - DISPOSAL CONSIDERATIONS

### Disposal Methods

Dispose in accordance with all applicable regulations.

## Section 14 - TRANSPORT INFORMATION

### US DOT Information:

UN/NA #: Not Regulated

### IATA Information:

UN#: Not Regulated

### TDG Information:

UN#: Not Regulated

## Section 15 - REGULATORY INFORMATION

### U.S. Federal Regulations

None of this products components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

### SARA Section 311/312 (40 CFR 370 Subparts B and C)

**Acute Health:** Yes **Chronic Health:** No **Fire:** Yes **Pressure:** No **Reactivity:** No

### U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
Ethyl cyanoacrylate	7085-85-0	No	No	No	Yes	No

### Not listed under California Proposition 65

### Canada Regulations

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

### Classification

B3, D2B

### Component Analysis - Inventory

Ethyl cyanoacrylate (7085-85-0)

US	CA	EU	AU	PH						CN	NZ	MX
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					JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA			
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

### 1,2,3-Propanetricarboxylic acid, 2-(acetyloxy)-, tributyl ester (77-90-7)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

## Section 16 - OTHER INFORMATION

### NFPA Ratings

Health: 2 Fire: 2 Reactivity: 1

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

### Summary of Changes

New SDS: 3/17/2015

### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

### Other Information

### Disclaimer:

Supplier gives no warranty whatsoever, including the warranties of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser shall determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental, consequential or any other damages arising out of the use or misuse of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights.