

View Section : **1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16****SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION**

KG0483_A

Product Name: **Krazy Glue Advanced Formula**
Manufacturer MSDS.: KG0483_A
Distributor Name: Elmer's Products, Inc.
Distributor Address: 1000 Kingsmill Parkway
 Columbus, OH 43229

Emergency Phone Number:
Poison Control Center: 1-800-228-5635 ext 22

 For additional health, safety or regulatory information,
 call 614-225-7695. Call 1-800-848-9400 to place an
 order or request additional MSDSs.

Revision Date: 29-MAR-03
 Supersedes: 29-FEB-00

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Product Description: KRAZY GLUE ADVANCED FORMULA
 PRODUCT TYPE: CYANOACRYLATE ADHESIVE

APPLICATION: KG-483, 10300

MSDS Prepared by:
 Elmer's Products, Inc.
 1000 Kingsmill Parkway
 Columbus, OH 43229

HMIS Rating:
 2 - (moderate)
 1 - (slight)

Product Codes: KG-483, 10300

HMIS

HEALTH	2
FIRE	2
REACTIVITY	1
PPE	

[To Top of page](#)
**SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS**

KG0483_A

Ingredient Name	CAS#	Ingredient Percent
Ethyl 2-Cyanoacrylate	7085-85-0	> 70% by Weight
EC Index Number: 1		

Composition/Information: The ingredients listed above have been associated with one or more immediate and/or delayed (*) health hazards. Risk of damage and effects depends upon duration and level of exposure. BEFORE USING, HANDLING, OR EXPOSURE TO THESE INGREDIENTS, READ AND UNDERSTAND THE MSDS.

[To Top of page](#)
**SECTION 3 : HAZARDS IDENTIFICATION**

KG0483_A

Emergency Overview: CAUTION!
 COMBUSTIBLE
 May become unstable at high temperatures or may react with water.
 May be harmful if inhaled. May cause irritation of nose, throat and lungs.
 Bonds skin instantly. Causes skin irritation.
 Bonds eyelids instantly. Causes eye irritation.

Physical State: Liquid
Color: Colorless
Odor: Irritating
HMIS Rating: HEALTH = 2 (moderate)
 FLAMMABILITY = 2 (moderate)
 REACTIVITY = 1 (slight)

Ethyl 2-Cyanoacrylate :**Potential Health Effects:**

Eye Contact: Immediate Hazards: Bonds eyelids instantly. Causes irritation.
Skin Contact: Immediate Hazards: Bonds skin instantly. Causes irritation.

Inhalation:	Immediate Hazards: May be harmful if inhaled. Liquid or vapor may cause irritation of nose, throat and lungs.
Ingestion:	Immediate Hazards: No hazards known to company.
Carcinogenicity:	None of the components present in this product at concentrations equal to or greater than 0.1% have been listed by NTP, classified by IARC, nor regulated by OSHA as a carcinogen.

[To Top of page](#)



SECTION 4 : FIRST AID MEASURES

KG0483_A

Eye Contact:	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.
Skin Contact:	If skin bonding occurs, soak in nail polish remover or acetone and carefully peel or roll skin apart (do not pull).
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Call a physician.
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.

[To Top of page](#)



SECTION 5 : FIRE FIGHTING MEASURES

KG0483_A

Explosion:	Up/Lower Explosive Limits, % by Vol: Not available
Flash Point:	83 deg C
Flash Point Method:	(CC)
Upper Flammable or Explosive Limit:	Flammable Limits: Not available
Lower Flammable or Explosive Limit:	Flammable Limits: Not available
Auto Ignition Temperature:	485 deg C
Fire Fighting Instructions:	COMBUSTIBLE. Keep away from heat and flame. In case of fire, use water spray, dry chemical, foam or CO2. Use water to keep fire-exposed containers cool.

[To Top of page](#)



SECTION 6 : ACCIDENTAL RELEASE MEASURES

KG0483_A

Spill Cleanup Measures:	Eliminate all ignition sources. Soak up with absorbent material and remove to a chemical disposal area. Prevent entry into natural bodies of water.
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[To Top of page](#)



SECTION 7 : HANDLING and STORAGE

KG0483_A

Handling:	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. Always use appropriate Personal Protective Equipment (PPE). INHALATION: Avoid breathing vapor. Use with adequate ventilation. SKIN: Avoid contact with skin and clothing. EYES: Avoid contact with eyes.
Storage:	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.

[To Top of page](#)



SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

KG0483_A

Engineering Controls:	The following exposure control techniques may be used to effectively minimize employee exposure: local exhaust ventilation, enclosed system design, process isolation and remote control in combination with appropriate use of personal protective equipment and prudent work practices. These techniques may not necessarily address all issues pertaining to your operations. We, therefore, recommend that you consult with experts of your choice to determine whether or not your programs are adequate. 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.
Skin Protection Description:	Wear impervious gloves as required to prevent skin contact.
Eye/Face Protection:	Use goggles if contact is likely.
Respiratory Protection:	Where air contaminants can exceed acceptable criteria, use NIOSH/MSHA approved respiratory protection equipment. Respirators should be selected based on the form and concentration of contaminants in air in accordance with OSHA laws and regulations or other applicable standards or guidelines, including ANSI standards regarding respiratory protection.

Ingredient Guidelines

Ingredient: Ethyl 2-Cyanoacrylate

Guideline Type:	OSHA PEL-TWA
Guideline Information:	NONE ESTABLISHED
Guideline Type:	ACGIH TLV-TWA

**SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES**

KG0483_A

Physical State/Appearance:	Liquid
Color:	Colorless
Odor:	Irritating
pH:	@ 25 deg C: Not available
Vapor Pressure:	0.13 mm Hg @ 20 deg C
Vapor Density:	(Air = 1): > 1
Boiling Point:	62 deg C (5 mm Hg)
Freezing Point:	< -20 deg C
Solubility:	In Water: Negligible
Specific Gravity:	1.05
Evaporation Point:	(Butyl Acetate = 1): < 1
Percent Volatile:	Not determined
Odor Threshold:	ppm: Not available
Coefficient of Water/Oil Distribution:	Not applicable
	Up/Lower Explosive Limits, % by Vol: Not available
	Flash Point Method: (CC)

**SECTION 10 : STABILITY and REACTIVITY**

KG0483_A

Chemical Stability:	Normally stable, but may become unstable at high temperatures or may react with water.
Conditions to Avoid:	Exposure to heat, flame and incompatibles.
Incompatibilities with Other Materials:	Water, alcohols, amines, bases and direct UV.
Hazardous Polymerization:	Will not occur.
Hazardous Decomposition Products:	Oxides of carbon.
Other Hazards:	None known to company.

**SECTION 11 : TOXICOLOGICAL INFORMATION**

KG0483_A

Ethyl 2-Cyanoacrylate :

Acute Health Effects:	LD50: Not available
Inhalation Effects:	LC50: Not available
Toxicological Paragraph:	See Section 3 Hazards Identification information.

**SECTION 12 : ECOLOGICAL INFORMATION**

KG0483_A

Ecological Paragraph:	Not determined.
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**SECTION 13 : DISPOSAL CONSIDERATIONS**

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Waste Disposal:	Recover free liquid. Absorb residue and dispose of according to local, state/provincial, and federal requirements. Empty container: May contain explosive vapors. DO NOT cut, puncture or weld on or nearby.
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**SECTION 14 : TRANSPORT INFORMATION**

KG0483_A

DOT Shipping Information:	The data provided in this section is for information only and may not be specific to your package size. You will need to apply the appropriate regulations to properly classify your shipment for transportation. Non-Regulated.
Canadian TDG:	Non-Regulated.

**SECTION 15 : REGULATORY INFORMATION**

KG0483_A

Ethyl 2-Cyanoacrylate :

TSCA 8(b): Inventory Status:	All reportable chemical substances are listed on the TSCA Inventory. We rely on certifications of compliance from our suppliers for chemical substances not manufactured by us.
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Section 312 Hazard Category: SARA Title III Section 311/312:

Acute:	Yes
Fire:	Yes
Section 313 Toxic Release Form:	SARA Title III Section 313 and 40 CFR Part 372: This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR Part 372. None required per SARA TITLE III SECTION 313.
OSHA 29 CFR 1200:	OSHA Hazard Communication Standard 29CFR1910.1200: This material is a "health hazard" and/or a "physical hazard" as determined when reviewed according to the requirements of the Occupational Safety and Health Administration 29 CFR Part 1910.1200 "Hazard Communication" Standard.
Canada WHMIS:	Workplace Hazardous Materials Information System (WHMIS): This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR) and the MSDS contains all the information required by the CPR. CLASS D, DIV 2B CLASS B, DIV 3 Canadian Environmental Protection Act (CEPA): This product contains one or more chemical substances on the Non-Domestic Substances List (NDSL). National Pollutant Release Inventory (NPRI): This product contains the following chemical(s) subject to the reporting requirements of the Canadian Environmental Protection Act (CEPA) subsection 16(1), National Pollutant Release Inventory. None required.

[To Top of page](#)



SECTION 16 : ADDITIONAL INFORMATION

KG0483_A

HMIS:	
Health Hazard:	2 (moderate)
Fire Hazard:	2 (moderate)
Reactivity:	1 (slight)
Label Precautions:	CL (Cautionary Labeling): Products bearing the CL (Cautionary Labeling) Seal of The Art & Creative Materials Institute, Inc. (ACMI) are certified to be properly labeled in a program of toxicological evaluation by a medical expert. This program is reviewed by ACMI's Toxicological Advisory Board. These products are certified by ACMI to be labeled in accordance with the chronic hazard labeling standard, ASTM D-4236 and Federal Law, P.L. 100-695.
MSDS Revision Date:	29-MAR-03 Supersedes: 29-FEB-00
MSDS Author:	MSDS Prepared by: Elmer's Products, Inc. 1000 Kingsmill Parkway Columbus, OH 43229
Disclaimer:	SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE, except that the product shall conform to contracted specifications, and that the product does not infringe any valid United States or Canadian patent. No claim of any kind shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.
User's Responsibility:	The OSHA Hazard Communication Standard 29CFR 1910.1200 and the Workplace Hazardous Materials Information System (WHMIS) require that the information contained on these sheets be made available to your workers. Educate and train your workers regarding OSHA and WHMIS precautions. Instruct your workers to handle this product properly. Consult with appropriate experts to guard against hazards associated with use of this product and its ingredients.

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[To Top of page](#)

