



# MATERIAL SAFETY DATA SHEET

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## SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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**Elmer's Products, Inc.**  
**1 Easton Oval**  
**Columbus, OH 43219**

**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) or call 1-888-435-6377. To place an order, call 1-800-848-9400.**

**SUBSTANCE: INSTANT KRAZY GLUE SINGLE-USE TUBES**

**TRADE NAMES/SYNONYMS: KG-581, KG-582, KG-820, 10582, 10820**

**PRODUCT USE:** adhesives

**CREATION DATE:** Mar 12 2003

**REVISION DATE:** Mar 15 2006

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## SECTION 2 COMPOSITION, INFORMATION ON INGREDIENTS

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**COMPONENT:** ETHYL CYANOACRYLATE

**CAS NUMBER:** 7085-85-0

**PERCENTAGE:** >1

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## SECTION 3 HAZARDS IDENTIFICATION

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**NFPA RATINGS (SCALE 0-4): HEALTH=2 FIRE=2 REACTIVITY=1**

**EMERGENCY OVERVIEW:**

**COLOR:** colorless

**PHYSICAL FORM:** liquid

**ODOR:** irritating odor

**MAJOR HEALTH HAZARDS:** harmful on contact with the skin or swallowed, skin irritation, eye irritation

**PHYSICAL HAZARDS:** Flash back hazard. Combustible liquid and vapor. May polymerize. Containers may rupture or explode.

**POTENTIAL HEALTH EFFECTS:**



**INHALATION:****SHORT TERM EXPOSURE:** irritation, allergic reactions, lung congestion**LONG TERM EXPOSURE:** irritation**SKIN CONTACT:****SHORT TERM EXPOSURE:** irritation, allergic reactions**LONG TERM EXPOSURE:** irritation**EYE CONTACT:****SHORT TERM EXPOSURE:** irritation, eye damage**LONG TERM EXPOSURE:** irritation**INGESTION:****SHORT TERM EXPOSURE:** no information on significant adverse effects**LONG TERM EXPOSURE:** no information is available

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**SECTION 4 FIRST AID MEASURES**

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**INHALATION:** If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.**SKIN CONTACT:** If bonding occurs, immerse the bonded surfaces in warm soapy water. 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. If burns occur, treat as thermal burns. Get medical attention, if needed.**EYE CONTACT:** If bonding to tissues occurs, wash with large amounts of warm water. Cover both eyes with sterile, dry bandages. The eye will open without further action. Do not pull surfaces apart with a direct opposing action. If burns occur, treat as thermal burns. Get medical attention.**INGESTION:** Wet lips with water. 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. If a lump forms in the mouth, turn head to side. If burns occur, treat as thermal burns. Get medical attention.**NOTE TO PHYSICIAN:** Mineral oil, vegetable oil, or petroleum jelly may help soften the bonding between skin surfaces. For skin contact, consider acetone or nitromethane.

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**SECTION 5 FIRE FIGHTING MEASURES**

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**FIRE AND EXPLOSION HAZARDS:** Moderate fire hazard. The vapor is heavier than air. Vapors or gases may ignite at distant ignition sources and flash back. Vapor/air mixtures are explosive above flash point.**EXTINGUISHING MEDIA:** carbon dioxide, regular dry chemical, regular foam, water**FIRE FIGHTING:** Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Flood with fine water spray. Do not scatter spilled material with high-pressure water streams. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.**FLASH POINT:** 181 F (83 C) (CC)**AUTOIGNITION:** 905 F (485 C)**FLAMMABILITY CLASS (OSHA):** IIIA

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**

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**OCCUPATIONAL RELEASE:** Avoid heat, flames, sparks and other sources of ignition. Stop leak if possible without personal risk. Reduce vapors with water spray. Small spills: Absorb with sand or other non-combustible

material. Collect spilled material in appropriate container for disposal.

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## SECTION 7 HANDLING AND STORAGE

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**STORAGE:** Store and handle in accordance with all current regulations and standards. Store in a cool, dry place. Keep container tightly closed. Keep away from heat, sparks and flame. Avoid contact with light. Avoid contact with water or moisture. Subject to storage regulations: U.S. OSHA 29 CFR 1910.106. Grounding and bonding required. Keep separated from incompatible substances.

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## SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

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**EXPOSURE LIMITS:**

**ETHYL CYANOACRYLATE:** 0.2 ppm ACGIH TWA

**VENTILATION:** Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

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

**CLOTHING:** Wear appropriate chemical resistant clothing.

**GLOVES:** Wear appropriate chemical resistant gloves.

**RESPIRATOR:** Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Respiratory protection is ranked in order from minimum to maximum. Consider warning properties before use. Any dust, mist, and fume respirator.

Any air-purifying respirator with a high-efficiency particulate filter.

Any powered, air-purifying respirator with a dust, mist, and fume filter.

Any powered, air-purifying respirator with a high-efficiency particulate filter.

**For Unknown Concentrations or Immediately Dangerous to Life or Health -**

Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply.

Any self-contained breathing apparatus with a full facepiece.

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## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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**PHYSICAL STATE:** liquid

**COLOR:** colorless

**ODOR:** irritating odor

**BOILING POINT:** 144 F (62 C) @ 5 mmHg

**FREEZING POINT:** <-4 F (<-20 C)

**VAPOR PRESSURE:** 0.13 mmHg @ 20 C

**VAPOR DENSITY (air=1):** >1

**SPECIFIC GRAVITY (water=1):** 1.05

**WATER SOLUBILITY:** negligible

**PH:** Not available

**VOLATILITY:** Not available

**ODOR THRESHOLD:** Not available

**EVAPORATION RATE:** <1 (butyl acetate=1)

**COEFFICIENT OF WATER/OIL DISTRIBUTION:** Not available

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## SECTION 10 STABILITY AND REACTIVITY

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**REACTIVITY:** May polymerize. Avoid contact with water.

**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.

**INCOMPATIBILITIES:** oxidizing materials, alcohols, amines, bases

**HAZARDOUS DECOMPOSITION:** Thermal decomposition products: oxides of carbon

**POLYMERIZATION:** May polymerize. Avoid contact with water or moisture.

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## SECTION 11 TOXICOLOGICAL INFORMATION

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**ETHYL CYANOACRYLATE:**

**TOXICITY DATA:** 0.22 ml/kg skin-rabbit LD50; 0.18 ml/kg oral-rat LD50

**LOCAL EFFECTS:** Irritant: skin, eye

**ACUTE TOXICITY LEVEL:** Toxic: dermal absorption, ingestion

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** eye disorders, respiratory disorders, skin disorders and allergies

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## SECTION 12 ECOLOGICAL INFORMATION

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Not available

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## SECTION 13 DISPOSAL CONSIDERATIONS

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Dispose in accordance with all applicable regulations.

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## SECTION 14 TRANSPORT INFORMATION

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**U.S. DEPARTMENT OF TRANSPORTATION:** No classification assigned.

**CANADIAN TRANSPORTATION OF DANGEROUS GOODS:** No classification assigned.

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## SECTION 15 REGULATORY INFORMATION

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**U.S. REGULATIONS:**

**CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):** Not regulated.

**SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30):** Not regulated.

**SARA TITLE III SECTION 304 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.40):** Not regulated.

**SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):**

ACUTE: Yes

CHRONIC: No

FIRE: Yes

REACTIVE: No

SUDDEN RELEASE: No

SARA TITLE III SECTION 313 (40 CFR 372.65): Not regulated.

OSHA PROCESS SAFETY (29CFR1910.119): Not regulated.

**STATE REGULATIONS:**

**California Proposition 65:** Not regulated.

**CANADIAN REGULATIONS:**

**WHMIS CLASSIFICATION:** Not determined.

**NATIONAL INVENTORY STATUS:**

**U.S. INVENTORY (TSCA):** All the components of this substance are listed on or are exempt from the inventory.

**TSCA 12(b) EXPORT NOTIFICATION:** Not listed.

**CANADA INVENTORY (DSL/NDSL):** Not determined.

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**SECTION 16 OTHER INFORMATION**

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