Material Safety Data Sheet

1. Chemical Product and Company Identification

DESCRIPTION: ELMER'S CRAFT BOND RUBBER CEMENT
PRODUCT TYPE: NATURAL RUBBER
APPLICATION: E425, E64425

- **Manufacturer/Supplier Information**

MSDS Prepared by:
Elmer's Products, Inc.
1 Easton Oval
Columbus, OH 43219

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

For additional health, safety or regulatory information, call 1-888-435-6377.
Call 1-800-848-9400 to place an order or request additional MSDSs.

2. Composition, Information on Ingredients

The ingredients listed below 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.

		% by weight
67-63-0	*Isopropanol	1-5
142-82-5	Heptane	>70

3. Hazards Identification

3.1 Emergency Overview

Appearance Opaque liquid
Odor Mild solvent
DANGER!
EXTREMELY FLAMMABLE LIQUID AND VAPOR
May be harmful if inhaled. May cause irritation of nose, throat and lungs.

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Can cause central nervous system depression.
Causes eye irritation.
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- **HMIS Rating**

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      HEALTH = 2 (moderate)
FLAMMABILITY = 4 (severe)
  REACTIVITY = 0 (minimal)
     CHRONIC = *
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3.2 Potential Health Effects

- **Immediate Hazards**

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INGESTION:   Not expected to be harmful under normal conditions of
             use.
             If accidentally swallowed, burns or irritation to
             mucous membranes, esophagus or GI tract can result.
INHALATION:  May be harmful if inhaled.  Liquid or vapor may cause
             irritation of nose, throat and lungs.
             Can cause central nervous system depression.
SKIN:        May cause irritation on prolonged or repeated contact.
EYES:        Causes irritation.
Isopropanol        67-63-0
Can cause central nervous system depression.  Signs and symptoms may
include headache, dizziness, nausea, vomiting, unconsciousness and
even asphyxiation.
Heptane       142-82-5
Can cause central nervous system depression.  Signs and symptoms may
include headache, dizziness, nausea, vomiting, unconsciousness and
even asphyxiation.
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- **Delayed Hazards**

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Isopropanol        67-63-0
Suspect reproductive hazard. May cause reproductive disorders
based on animal data.
May cause liver damage based on animal data.
May cause kidney damage based on animal data.
-- See Footnote C.
Footnote C:  As of the date of issuance of this document, this
material has not been listed by NTP, classified by IARC nor regulated
by OSHA as a carcinogen.
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4. First Aid Measures

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.
INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Call a physician.
SKIN: In case of irritation, flush with water.
EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held apart during irrigation to insure water contact with entire surface of eyes and lids. Call a physician.

5. Fire Fighting Measures

Autoignition Temperature	Not available
Upper/Lower Flammable Limits	Not available
Up/Lower Explosive Limits, % by Vol	Not available/1
Flash Point	-10 deg C (TCC)

EXTREMELY FLAMMABLE LIQUID AND VAPOR.
Keep liquid and vapor away from heat, sparks, flame and other ignition sources including, but not limited to, pilot lights, heaters, cigarettes, electric motors and static discharge. Vapor is heavier than air and may settle in low places or travel outward to a source of ignition and flashback.
In case of fire, use water spray, dry chemical, foam or CO2. Use water to keep fire-exposed containers cool.

6. Accidental Release Measures

Eliminate all ignition sources. Soak up with absorbent material and remove to a chemical disposal area. Prevent entry into natural bodies of water.

7. Handling and Storage

7.1 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 prolonged or repeated contact with skin and clothing.
EYES: Avoid contact with eyes.

7.2 Storage

Store in a cool, dry place.
Keep containers tightly closed.
Keep away from heat, sparks, flame and other ignition sources.
Use with adequate ventilation.

8. Exposure Controls/Personal Protection

8.1 Exposure Controls

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.

8.2 Personal 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. Use goggles if contact is likely. Wear impervious gloves as required to prevent skin contact.

8.3 Exposure Guidelines

Isopropanol 67-63-0
ACGIH TLV: 400 ppm (983 mg/m³) TWA; 500 ppm (1230 mg/m³) STEL
OSHA PEL: 400 ppm (980 mg/m³) TWA
REMANDED PEL: 400 ppm (980 mg/m³) TWA; 500 ppm (1225 mg/m³) STEL
OSHA 1989 PEL remanded, but in effect in some states
Heptane 142-82-5
ACGIH TLV: 400 ppm (1640 mg/m³) TWA; 500 ppm (2050 mg/m³)STEL
OSHA PEL: 500 ppm (2000 mg/m³) TWA

REMANDED PEL: 400 ppm (1600 mg/m³) TWA; 500 ppm (2000 mg/m³)STEL
OSHA 1989 PEL remanded, but in effect in some states

9. Physical and Chemical Properties

Percent Volatiles	90
pH @ 25 C	Not applicable
Specific Gravity	0.71
Appearance	Opaque liquid
Autoignition Temperature	Not available
Boiling Point	90 deg C
Vapor Density (Air=1)	> 1
Vapor Pressure, mm Hg @ 20 C	Not available
Evaporation Rate (Butyl Acetate=1)	< 1---(ether=1)
Upper/Lower Flammable Limits	Not available
Up/Lower Explosive Limits, % by Vol	Not available/1
Flash Point	-10 deg C (TCC)
Freezing Point	Not available
Odor	Mild solvent
Odor Threshold, ppm	Not available
Solubility in Water	Negligible
Coefficient of Water/Oil Distrib.	Not available

10. Stability and Reactivity

Normally stable as defined in NFPA 704-12(4-3.1).

- **Conditions to Avoid:**

Exposure to heat, flame and incompatibles.

- **Incompatibilities:**

Acids, bases, amines.

- **Decomposition products may include:**

CO, CO2.

- **Hazardous polymerization:**

Will not occur.

- **Other Hazards:**

None known to company.

11. Toxicological Information

See Section 3 Hazards Identification information.
Isopropanol 67-63-0
LC50: rat=16000 ppm/8H (Sax)
LD50: orl-rat=5.8 g/kg (Merck); skn-rbt=13 g/kg (Sax)
Heptane 142-82-5
LC50: Not available
LD50: Not available

12. Ecological Information

Not determined.

13. Disposal Considerations

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.

14. Transport Information

14.1 U.S. Department of Transportation (DOT)

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.
ORM-D Consumer Commodity.

14.2 Canadian Transportation of Dangerous Goods (TDG)

Not determined.

15. Regulatory Information (Selected Regulations)

15.1 U.S. Federal Regulations

- **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.

- **SARA Title III: Section 311/312**

Fire hazard
Immediate health hazard
Delayed health hazard

- **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.

- **TSCA Section 8(b) Inventory**

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.

15.2 Canadian Regulations

- **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 2

- **Canadian Environmental Protection Act (CEPA)**

All reportable chemical substances are listed on the Domestic Substances List (DSL) or otherwise comply with CEPA new substance notification requirements.

- **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.

Isopropyl alcohol	67-63-0	1.49%

16. Other Information

CL (Cautions Required): Products bearing the CL Health Label (Cautions Required) 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.

- **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.

- **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.

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