



Material Safety Data Sheet
Material Name: ELMER'S NO-WRINKLE RUBBER CEMENT
MSDS ID: 00229810
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Revision 1.0400

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

Material Name: ELMER'S NO-WRINKLE RUBBER CEMENT

Manufacturer Information

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

Trade Names/Synonyms

E904; E905; 231; 232; 233; 60818; 61518

Product Use

adhesives

***** Section 2 - HAZARDS IDENTIFICATION *****

NFPA Ratings:

Health: 2 Fire: 3 Reactivity: 0

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

EMERGENCY OVERVIEW

Physical Form: liquid

Odor: mild odor, solvent odor

Major Health Hazards: potentially fatal if swallowed, respiratory tract irritation, skin irritation, eye irritation, central nervous system depression, allergic reactions

Physical Hazards: Flammable liquid and vapor. Vapor may cause flash fire.

POTENTIAL HEALTH EFFECTS

Inhalation

Short Term: irritation, changes in blood pressure, nausea, vomiting, stomach pain, chest pain, difficulty breathing, irregular heartbeat, headache, drowsiness, dizziness, disorientation, emotional disturbances, hallucinations, loss of coordination, suffocation, internal bleeding, kidney damage, unconsciousness, coma

Long Term: no information on significant adverse effects

Skin

Short Term: irritation, allergic reactions, absorption may occur, changes in blood pressure, nausea, vomiting, irregular heartbeat, headache, drowsiness, dizziness, loss of coordination

Long Term: irritation

Eye**Short Term:** irritation, eye damage**Long Term:** irritation**Ingestion****Short Term:** potentially fatal if swallowed, irritation, changes in blood pressure, nausea, vomiting, diarrhea, stomach pain, difficulty breathing, irregular heartbeat, headache, drowsiness, dizziness, disorientation, emotional disturbances, hallucinations, loss of coordination, internal bleeding, kidney damage, unconsciousness, coma**Long Term:** no information on significant adverse effects***** Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS *****

CAS	Component	Percent
142-82-5	HEPTANE	>70
67-63-0	ISOPROPYL ALCOHOL	1-5

Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following:
Heptane isomers.

***** Section 4 - FIRST AID MEASURES *******Inhalation**

If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

Skin

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.

Eyes

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 Physicians

Mineral oil, vegetable oil, or petroleum jelly may help soften the bonding between skin surfaces. For skin contact, consider acetone or nitromethane.

***** Section 5 - FIRE FIGHTING MEASURES *****

See Section 9 for Flammability Properties

Flammable Properties

Severe 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.

Extinguishing Media

carbon dioxide, regular dry chemical, regular foam, water

Fire Fighting Measures

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.

***** Section 6 - ACCIDENTAL RELEASE MEASURES *****

Occupational spill/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.

***** Section 7 - HANDLING AND STORAGE *****

Storage Procedures

Store and handle in accordance with all current regulations and standards. Store in a cool, dry place. Store in a tightly closed container. Store in a well-ventilated area. Avoid heat, flames, sparks and other sources of ignition. Subject to storage regulations: U.S. OSHA 29 CFR 1910.106. Grounding and bonding required. See original container for storage recommendations. Keep separated from incompatible substances.

***** Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION *****

Component Exposure Limits**HEPTANE (142-82-5)**

ACGIH: 400 ppm TWA

500 ppm STEL

NIOSH: 85 ppm TWA; 350 mg/m³ TWA

440 ppm Ceiling (15 min); 1800 mg/m³ Ceiling (15 min)

OSHA: 500 ppm TWA; 2000 mg/m³ TWA

OSHA 500 ppm STEL; 2000 mg/m³ STEL

(Vacated):

400 ppm TWA; 1600 mg/m³ TWA

ISOPROPYL ALCOHOL (67-63-0)

ACGIH: 200 ppm TWA

400 ppm STEL

NIOSH: 400 ppm TWA; 980 mg/m³ TWA

500 ppm STEL; 1225 mg/m³ STEL

OSHA: 400 ppm TWA; 980 mg/m³ TWA

OSHA 500 ppm STEL; 1225 mg/m³ STEL

(Vacated):

400 ppm TWA; 980 mg/m³ TWA

Ventilation

Ventilation equipment should be explosion-resistant if explosive concentrations of material are present.

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

PERSONAL PROTECTIVE EQUIPMENT

Eyes/Face

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

Protective Clothing

Wear appropriate chemical resistant clothing.

Glove Recommendations

Wear appropriate chemical resistant gloves.

Respiratory Protection

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 chemical cartridge respirator with organic vapor cartridge(s).

Any chemical cartridge respirator with a full facepiece and organic vapor cartridge(s).

Any air-purifying respirator with a full facepiece and an organic vapor canister.

For Unknown Concentrations or Immediately Dangerous to Life or Health -

Any supplied-air respirator with a full facepiece that is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode.

Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode.

*** Section 9 - PHYSICAL AND CHEMICAL PROPERTIES ***

Physical State: Liquid	Appearance: opaque
Physical Form: liquid	Odor: mild odor, solvent odor
Odor Threshold: Not available	pH: Not available
Melting/Freezing Point: Not available	Boiling Point: 90 °C
Flash Point: -4 °C (TCC)	Evaporation Rate: <1 (ether=1)>
OSHA Flammability Class: IB	Vapor Pressure: Not available
Vapor Density (air = 1): >1	Density: Not available
Specific Gravity (water = 1): 0.71	Water Solubility: almost insoluble
Coeff. Water/Oil Dist: Not available	Viscosity: Not available
Volatility: 90 %	

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

Chemical Stability

Stable at normal temperatures and pressure.

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.

Materials to Avoid

acids, bases, amines, oxidizing materials

Decomposition Products

oxides of carbon

Possibility of Hazardous Reactions

Will not polymerize.

***** Section 11 - TOXICOLOGICAL INFORMATION *****

Component Analysis - LD50/LC50

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

HEPTANE (142-82-5)

Inhalation LC50 Rat 103 g/m³ 4 h; Oral LD50 Mouse 5000 mg/kg; Dermal LD50 Rabbit 3000 mg/kg

ISOPROPYL ALCOHOL (67-63-0)

Inhalation LC50 Rat 72.6 mg/L 4 h; Oral LD50 Rat 4396 mg/kg; Dermal LD50 Rat 12800 mg/kg; Dermal LD50 Rabbit 12870 mg/kg

RTECS Acute Toxicity (selected)

The components of this material have been reviewed, and RTECS publishes the following endpoints:

HEPTANE (142-82-5)

Inhalation: 103 gm/m³/4 hour Inhalation Rat LC50; 48000 ppm/4 hour Inhalation Rat LC50; >29290 mg/m³ Inhalation Rat LC50

ISOPROPYL ALCOHOL (67-63-0)

Inhalation: 16000 ppm/8 hour Inhalation Rat LC50; 72600 mg/m³ Inhalation Rat LC50

Oral: 5000 mg/kg Oral Rat LD50; 5045 mg/kg Oral Rat LD50

Skin: 12800 mg/kg Skin Rabbit LD50

Acute Toxicity Level**HEPTANE (142-82-5)**

Slightly inhalation.

Toxic:

ISOPROPYL ALCOHOL (67-63-0)

Moderately inhalation, ingestion.

Toxic:

Slightly dermal absorption.

Toxic:

Component Carcinogenicity**ISOPROPYL ALCOHOL (67-63-0)**

ACGIH: A4 - Not Classifiable as a Human Carcinogen

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

RTECS Irritation

The components of this material have been reviewed, and RTECS publishes the following endpoints:

ISOPROPYL ALCOHOL (67-63-0)

10 mg Eyes Rabbit moderate; 100 mg/24 hour Eyes Rabbit moderate; 100 mg Eyes Rabbit severe; 500 mg Skin Rabbit mild

Local Effects

HEPTANE (142-82-5)

Irritant: inhalation, skin, eye.

ISOPROPYL ALCOHOL (67-63-0)

Irritant: inhalation, eye.

Target Organs

HEPTANE (142-82-5)

central nervous system.

ISOPROPYL ALCOHOL (67-63-0)

central nervous system.

Medical Conditions Aggravated by Exposure

respiratory disorders, kidney disorders, skin disorders and allergies, liver disorders

RTECS Tumorigenic

The components of this material have been reviewed, and RTECS publishes data for one or more components.

RTECS Mutagenic

The components of this material have been reviewed, and RTECS publishes data for one or more components.

RTECS Reproductive Effects

The components of this material have been reviewed, and RTECS publishes data for one or more components.

Additional Data

Stimulants such as epinephrine may induce ventricular fibrillation.

***** Section 12 - ECOLOGICAL INFORMATION *****

Component Analysis - Aquatic Toxicity

HEPTANE (142-82-5)

Fish: 96 Hr LC50 Cichlid fish: 375.0 mg/L

Invertebrate: 24 Hr EC50 Daphnia magna: >10 mg/L

ISOPROPYL ALCOHOL (67-63-0)

Fish: 96 Hr LC50 Pimephales promelas: 9640 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 11130 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: >1400000 µg/L

Algae: 96 Hr EC50 Desmodesmus subspicatus: >1000 mg/L; 72 Hr EC50 Desmodesmus subspicatus: >1000 mg/L

Invertebrate: 48 Hr EC50 Daphnia magna: 13299 mg/L

***** Section 13 - DISPOSAL CONSIDERATIONS *****

Disposal Methods

Dispose in accordance with all applicable regulations. Subject to disposal regulations: U.S. EPA 40 CFR 262. Hazardous Waste Number(s): D001.

Component Waste Numbers

The U.S. EPA has not published waste numbers for this product's components.

***** Section 14 - TRANSPORT INFORMATION *****

US DOT Information

Shipping Name: Consumer commodity

Hazard Class: ORM-D

Required Label(s): None

TDG Information: No Classification assigned.

***** Section 15 - REGULATORY INFORMATION *****

U.S. Federal Regulations

This material contains one or more of the following chemicals required to be identified 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), and/or require an OSHA process safety plan.

HEPTANE (142-82-5)

TSCA 12b: Section 4, 1 %

ISOPROPYL ALCOHOL (67-63-0)

SARA 313: 1.0 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)

SARA 311/312

Acute Health: Yes **Chronic Health:** No **Fire:** Yes **Pressure:** No **Reactive:** 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	RI
HEPTANE	142-82-5	Yes	Yes	Yes	Yes	Yes	Yes
ISOPROPYL ALCOHOL	67-63-0	Yes	Yes	Yes	Yes	Yes	Yes

Not regulated under California Proposition 65

Canada WHMIS

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

HEPTANE (142-82-5)

1 %

ISOPROPYL ALCOHOL (67-63-0)

1 %

WHMIS Classification

D2B, B2.

Canadian Inventory

All components of this product are listed on the DSL.

U.S. Inventory (TSCA)

All the components of this substance are listed on or are exempt from the inventory.

Component Analysis - Inventory

Component	CAS	US	CA
HEPTANE	142-82-5	Yes	DSL
ISOPROPYL ALCOHOL	67-63-0	Yes	DSL

***** Section 16 - OTHER INFORMATION *******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; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; 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; 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; RID - European Rail Transport; RTECS - Registry of Toxic Effects of Chemical Substances®; 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

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