

SDS ID: SDS-28

Material Name: Elmer's Extra-Strong Spray Adhesive

### Section 1 - PRODUCT AND COMPANY IDENTIFICATION

#### **Material Name**

Elmer's Extra-Strong Spray Adhesive

**Synonyms** 

E455

**Chemical Family** 

Adhesive.

**Product Use** 

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. To place an order, call 1-800-848-9400.

#### Section 2 - HAZARDS IDENTIFICATION

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

Flammable Aerosols - Category 1 Aspiration Hazard - Category 1 Skin Corrosion/Irritation - Category 2

Serious Eye Damage/Eye Irritation - Category 2A

Specific Target Organ Toxicity - Single Exposure - Category 3

Specific Target Organ Toxicity - Repeated Exposure - Category 2 (blood)

Hazardous to the Aquatic Environment - Acute - Category 2

Hazardous to the Aquatic Environment - Chronic - Category 2

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#### **GHS Label Elements**

#### Symbol(s)









# Signal Word

Danger

### **Hazard Statement(s)**

Extremely flammable aerosol

May be fatal if swallowed and enters airways

Causes skin irritation

Causes serious eye irritation

May cause respiratory irritation. May cause drowsiness or dizziness

May cause damage to organs through prolonged or repeated exposure

Toxic to aquatic life with long lasting effects

#### **Precautionary Statement(s)**

#### **Prevention**

Keep away from heat/sparks/open flame/hot surfaces - No smoking

Pressurized container: Do not pierce or burn, even after use

Do not spray on an open flame or other ignition sources

Use only outdoors or in a well-ventilated area

Wear protective gloves/protective clothing/eye protection/face protection

Do not breathe dust/fume/gas/mist/vapours/spray

Wash thoroughly after handling

Avoid release to the environment

#### Response

Collect spillage

IF exposed or concerned: Get medical advice/attention

IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing

IF ON SKIN: Wash with plenty of soap and water

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse

IF SWALLOWED: Immediately call a POISON CENTER/doctor

Do NOT induce vomiting

Call a POISON CENTER or doctor if you feel unwell

Specific treatment (see label)

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# Storage

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

Store locked up

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

#### **Disposal**

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

# Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
107-83-5	2-Methylpentane	20 - 40
96-14-0	3-Methylpentane	10 - 20
67-64-1	Acetone	10 - 20
75-37-6	1,1-Difluoroethane	2.5 -10
75-83-2	Neohexane	2.5 - 10
79-29-8	2,3-Dimethylbutane	2.5 - 10

#### Section 4 - FIRST AID MEASURES

# **Description of Necessary Measures**

IF exposed or concerned: Get medical advice/attention.

#### 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 occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

#### **Eyes**

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.

#### **Ingestion**

Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. If vomiting occurs, keep head lower than hips to help prevent aspiration. Aspiration into the lungs may result in pulmonary edema and pneumonitis.

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# **Most Important Symptoms/Effects**

#### Acute

skin irritation. eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness.

#### **Delayed**

May cause damage to organs. May cause damage to the blood system.

### **Note to Physicians**

Mineral oil, vegetable oil, or petroleum jelly may help soften the bonding between skin surfaces.

# Section 5 - FIRE FIGHTING MEASURES

### **Extinguishing Media**

### **Suitable Extinguishing Media**

regular dry powder. alcohol resistant foam. water. carbon dioxide.

### **Unsuitable Extinguishing Media**

None known.

### **Special Hazards Arising from the Chemical**

Pressurized container: May burst if heated, releasing flammable gases.

# **Special Protective Equipment and Precautions for Firefighters**

Wear self-contained breathing apparatus with a full facepiece and protective clothing.

#### **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. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible withdraw from area and let fire burn. In case of fire and/or explosion do not breathe fumes. Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

### Section 6 - ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment and Emergency Procedures

Keep unnecessary people away, isolate hazard area and deny entry. Wear personal protective clothing and equipment, see Section 8. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

#### Methods and Materials for Containment and Cleaning Up

Keep unnecessary people away, isolate hazard area and deny entry. Stay upwind and keep out of low areas. Ventilate closed spaces before entering. Eliminate all ignition sources if safe to do so. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Move containers away from spill to a safe area. Isolate area until gas has dispersed. Collect spillage. Prevent entry into waterways, sewers, basements, or confined areas.

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#### **Environmental Precautions**

Avoid release to the environment. Avoid discharge into drains, surface water or groundwater. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

#### Section 7 - HANDLING AND STORAGE

# **Precautions for Safe Handling**

Pressurized container: Do not pierce or burn, even after use. Do not spray on naked flames or any incandescent material. Do not eat, drink or smoke when using this product. Do not cut, puncture, or weld on or near this container. Ground any equipment used in handling. Do not reuse containers. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes. Avoid prolonged exposure. Use only in well-ventilated areas. Do not empty into drains. Keep out of the reach of children.

### **Conditions for Safe Storage, Including any Incompatibilities**

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

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

Do not puncture container. Keep away from heat and ignition sources. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. This material can accumulate static charge by flow or agitation and can be ignited by static discharge. Keep away from incompatible materials. Keep out of reach of children.

# **Incompatible Materials**

oxidizing agents.

# Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

#### **Component Exposure Limits**

2-Methylpentane	107-83-5	
ACGIH:	500 ppm TWA (related to Isohexane)	
	1000 ppm STEL (related to Isohexane)	
NIOSH:	100 ppmTWA; 350 mg/m3TWA (related to Isohexane)	
	510 ppm Ceiling 15 min; 1800 mg/m3 Ceiling 15 min (related to Isohexane)	
Mexico:	500 ppmTWA LMPE-PPT (except n-Hexane); 1760 mg/m3TWA LMPE-PPT (except n-Hexane) (related to Hexane, branched and linear)	
	1000 ppmSTEL [LMPE-CT] (except n-Hexane); 3500 mg/m3STEL [LMPE-CT] (except n-Hexane) (related to Hexane, branched and linear)	
3-Methylpentane	96-14-0	

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ACGIH:	500 ppm TWA (related to Isohexane)
	1000 ppm STEL (related to Isohexane)
NIOSH:	100 ppmTWA; 350 mg/m3TWA (related to Isohexane)
	510 ppm Ceiling 15 min; 1800 mg/m3 Ceiling 15 min (related to Isohexane)
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	1000 ppmSTEL [LMPE-CT] (except n-Hexane); 3500 mg/m3STEL [LMPE-CT] (except n-Hexane) (related to Hexane, branched and linear)
Acetone	67-64-1
ACGIH:	500 ppm TWA
	750 ppm STEL
NIOSH:	250 ppmTWA; 590 mg/m3TWA
	2500 ppmIDLH (10% LEL)
Europe:	500 ppm TWA; 1210 mg/m3 TWA
OSHA (US):	1000 ppmTWA; 2400 mg/m3TWA
Mexico:	1000 ppmTWA LMPE-PPT; 2400 mg/m3TWA LMPE-PPT
	1260 ppmSTEL [LMPE-CT]; 3000 mg/m3STEL [LMPE-CT]
Neohexane	75-83-2
ACGIH:	500 ppm TWA (related to Isohexane)
	1000 ppm STEL (related to Isohexane)
NIOSH:	100 ppmTWA; 350 mg/m3TWA (related to Isohexane)
	510 ppm Ceiling 15 min; 1800 mg/m3 Ceiling 15 min (related to Isohexane)
Mexico:	500 ppmTWA LMPE-PPT (except n-Hexane); 1760 mg/m3TWA LMPE-PPT (except n-Hexane) (related to Hexane, branched and linear)
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2,3- Dimethylbutane	79-29-8

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ACGIH:	500 ppm TWA (related to Isohexane)	
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NIOSH:	100 ppmTWA; 350 mg/m3TWA (related to Isohexane)	
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	1000 ppmSTEL [LMPE-CT] (except n-Hexane); 3500 mg/m3STEL [LMPE-CT] (except n-Hexane) (related to Hexane, branched and linear)	

#### **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

#### **Eve/face protection**

Wear eye/face protection. Wear safety glasses with side shields. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

# **Skin Protection**

Wear appropriate chemical resistant clothing.

# **Respiratory Protection**

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 protective gloves.

#### Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Not available	Physical State	aerosol
Odor	Not available	Color	Not available
Odor Threshold	Not available	рН	Not available
<b>Melting Point</b>	Not available	<b>Boiling Point</b>	Not available
Freezing point	Not available	<b>Evaporation Rate</b>	Not available
<b>Boiling Point Range</b>	Not available	Flammability (solid, gas)	Not available

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Autoignition	Not available	Flash Point	172.1 °F ((77.83 °C) estimated)
<b>Lower Explosive Limit</b>	Not available	Decomposition	Not available
<b>Upper Explosive Limit</b>	Not available	Vapor Pressure	506.37 psig @ 70 °F (estimated)
Vapor Density (air=1)	Not available	Specific Gravity (water=1)	0.42 (estimated)
Water Solubility	Not available	Partition coefficient: n- octanol/water	Not available
Viscosity	Not available	Solubility (Other)	Not available
Density	Not available		

# Section 10 - STABILITY AND REACTIVITY

# Reactivity

No hazard expected.

#### **Chemical Stability**

Stable under normal conditions of use.

#### **Possibility of Hazardous Reactions**

Hazardous polymerization will not occur.

#### **Conditions to Avoid**

Avoid heat, flames, sparks and other sources of ignition. Avoid friction and static electricity.

### **Incompatible Materials**

oxidizing agents.

# Hazardous decomposition products

oxides of carbon, hydrocarbons.

#### Section 11 - TOXICOLOGICAL INFORMATION

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

### Inhalation

May be fatal if swallowed and enters airways. Prolonged exposure can cause nausea, dizziness, headache, and narcotic effects. May cause respiratory irritation. May cause a narcotic effect.

# **Skin Contact**

Causes skin irritation.

# **Eye Contact**

Causes serious eye irritation.

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# **Ingestion**

May be fatal if swallowed and enters airways.

#### **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:

2-Methylpentane (107-83-5)

Oral LD50Rat 15000 mg/kg (related to Hexane, branched and linear)

3-Methylpentane (96-14-0)

Oral LD50Rat 15000 mg/kg (related to Hexane, branched and linear)

Acetone (67-64-1)

Inhalation LC50Rat 50100 mg/m3 8 h

Neohexane (75-83-2)

Oral LD50Rat 15000 mg/kg (related to Hexane, branched and linear)

2,3-Dimethylbutane (79-29-8)

Oral LD50Rat 15000 mg/kg (related to Hexane, branched and linear)

#### **Immediate Effects**

May cause eye irritation, respiratory tract irritation, skin irritation. May cause drowsiness or dizziness. May be fatal if swallowed.

#### **Delayed Effects**

May cause damage to the blood system.

# **Irritation/Corrosivity Data**

Causes skin irritation, eye irritation, respiratory tract irritation.

### **Respiratory Sensitization**

No information available for the product.

#### **Dermal Sensitization**

No information available for the product.

# **Component Carcinogenicity**

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Acetone	67-64-1		
ACGIH:	A4 - Not Classifiable as a Human Carcinogen		

#### **Germ Cell Mutagenicity**

No information available for the product.

# **Reproductive Toxicity**

No information available for the product.

## Specific Target Organ Toxicity - Single Exposure

respiratory tract irritation.

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

blood damage.

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# **Aspiration hazard**

May be fatal if swallowed and enters airways.

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

No data available.

#### Section 12 - ECOLOGICAL INFORMATION

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

Acetone	67-64-1
Fish:	LC50 96 h Oncorhynchus mykiss 4.74 - 6.33 mL/L; LC50 96 h Pimephales promelas 6210 - 8120 mg/L [static]; LC50 96 h Lepomis macrochirus 8300 mg/L
Invertebrate:	EC50 48 h Daphnia magna 10294 - 17704 mg/L [static] EPA; EC50 48 h Daphnia magna 12600 - 12700 mg/L IUCLID

# Section 13 - DISPOSAL CONSIDERATIONS

#### **Disposal Methods**

Dispose in accordance with all applicable regulations. Do not puncture container.

#### Section 14 - TRANSPORT INFORMATION

**US DOT Information:** 

**Shipping Name:** AEROSOLS

Hazard Class: 2.1 UN/NA #: UN1950 Required Label(s): 2.1

**TDG Information:** 

**Shipping Name:**AEROSOLS

Hazard Class: 2.1 UN#: UN1950

# Section 15 - REGULATORY INFORMATION

# **U.S. Federal Regulations**

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (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.



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Acetone	67-64-1
CERCLA:	5000 lbfinal RQ; 2270 kgfinal RQ

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

Acute Health: Yes Chronic Health: Yes Fire: Yes Pressure: Yes 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
2-Methylpentane	107-83-5	Yes	Yes	Yes	Yes	Yes
3-Methylpentane	96-14-0	Yes	Yes	Yes	No	Yes
Acetone	67-64-1	Yes	Yes	Yes	Yes	Yes
1,1-Difluoroethane	75-37-6	No	Yes	No	Yes	No
Neohexane	75-83-2	Yes	Yes	Yes	Yes	Yes
2,3-Dimethylbutane	79-29-8	Yes	Yes	Yes	Yes	Yes

# Not listed under California Proposition 65

# **Canadian WHMIS Ingredient Disclosure List (IDL)**

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL

2-Methylpentane	107-83-5
	1 %
3-Methylpentane	96-14-0
	1 % (related to Hexane, branched and linear)
Acetone	67-64-1
	1 %
Neohexane	75-83-2
	1 %
2,3-Dimethylbutane	79-29-8
	1 %



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Component A	Analysis -	- Inventory
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2-Methylpentane (107-83-5)

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

# 3-Methylpentane (96-14-0)

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

# Acetone (67-64-1)

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

# 1,1-Difluoroethane (75-37-6)

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

#### Neohexane (75-83-2)

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

# 2,3-Dimethylbutane (79-29-8)

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

# **Section 16 - OTHER INFORMATION**

# **HMIS Rating**

Health: 2 Fire: 4 Reactivity: 1

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

#### 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

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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

Reasonable care has been taken in the preparation of this information; however, the manufacturer makes no warranty whatsoever including the warranty of merchantability, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental, consequential, or other such damages resulting from its use or misuse.

#### **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.