



Safety Data Sheet:
**Material Name: Elmer's
Plastic Cement**
SDS ID: SDS-62
Issue Date: 2015-03-03
Revision: .

Other Sections

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Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name

Elmer's Plastic Cement

Synonyms

E1004

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.

Acute Toxicity - Oral - Category 4

Acute Toxicity - Dermal - Category 4

Acute Toxicity - Inhalation - Vapor - Category 4

Serious Eye Damage/Eye Irritation - Category 2

Skin Sensitization - Category 1B

Specific Target Organ Toxicity - Repeated Exposure - Category 1 (kidneys,liver)

Hazardous to the Aquatic Environment - Acute - Category 3
Hazardous to the Aquatic Environment - Chronic - Category 3

GHS Label Elements

Symbol(s)



Signal Word

Danger

Hazard Statement(s)

Harmful if swallowed
Harmful in contact with skin
Harmful if inhaled
Causes serious eye irritation
May cause allergic skin reaction
Causes damage to organs through prolonged or repeated exposure
Harmful to aquatic life with long lasting effects

Precautionary Statement(s)

Prevention

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
Contaminated work clothing must not be allowed out of the workplace
Do not eat, drink or smoke when using this product
Avoid release to the environment
Wear protective gloves

Response

IF INHALED: Remove person to fresh air and keep 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 or rash occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse
Rinse mouth

Call a POISON CENTER or doctor if you feel unwell
Specific treatment (see label)

Storage

None needed according to classification criteria

Disposal

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

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
1343-98-2	Silicic acid	5-10
112945-52-5	Silica, amorphous, fumed, crystalline-free	1-5
68909-20-6	Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica	0.5-1.5
818-08-6	Dibutyltin oxide	0.5-1
41556-26-7	Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	<1
67-56-1	Methyl alcohol	<0.5
Not assigned	NON-Hazardous	>78
Trade Secret	METHYLATED BUTYLATED MELAMINE-FORMALDEHYDE RESIN	1-2

Section 4 - FIRST AID MEASURES

Description of Necessary Measures

Call a POISON CENTER or doctor/physician if you feel unwell.

Inhalation

Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician.

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

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Ingestion

Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious or convulsive person. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

Most Important Symptoms/Effects

Acute

Harmful if swallowed. Harmful if inhaled. Harmful in contact with skin. Causes serious eye irritation. May cause allergic skin reaction.

Delayed

kidney damage, liver damage

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Use carbon dioxide, regular dry chemical, regular foam or water.

Unsuitable Extinguishing Media

None known.

Special Hazards Arising from the Chemical

Slight fire hazard.

Hazardous Combustion Products

aldehydes, acids, oxides of carbon, oxides of silicon

Special Protective Equipment and Precautions for Firefighters

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

Fire Fighting Measures

Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8.

Methods and Materials for Containment and Cleaning Up

Stop leak if possible without personal risk. Small spills: Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.

Environmental Precautions

Keep out of water supplies and sewers.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

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/vapors/spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product.

Conditions for Safe Storage, Including any Incompatibilities

None needed according to classification criteria

Store in accordance with all current regulations and standards. Keep away from incompatible materials.

Incompatible Materials

oxidizing materials

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

Silica, amorphous, fumed, crystalline-free	112945-52-5
NIOSH:	6 mg/m ³ TWA (related to Silica, amorphous)
	3000 mg/m ³ IDLH (related to Silica, amorphous)
OSHA (US):	20 mppcf TWA; ((80)/(% SiO ₂)) mg/m ³ TWA (related to Silica, amorphous)
Dibutyltin oxide	818-08-6
ACGIH:	0.1 mg/m ³ TWA as Sn (related to Tin organic compounds)

	0.2 mg/m ³ STEL as Sn (related to Tin organic compounds)
	Skin - potential significant contribution to overall exposure by the cutaneous route (related to Tin organic compounds)
NIOSH:	0.1 mg/m ³ TWA (except Cyhexatin) as Sn (related to Tin organic compounds)
	Potential for dermal absorption (related to Tin organic compounds)
	25 mg/m ³ IDLH (except Cyhexatin) as Sn (related to Tin organic compounds)
OSHA (US):	0.1 mg/m ³ TWA as Sn (related to Tin organic compounds)
Mexico:	0.1 mg/m ³ TWA LMPE-PPT as Sn (related to Tin organic compounds)
	0.2 mg/m ³ STEL [LMPE-CT] as Sn (related to Tin organic compounds)
	Skin - potential for cutaneous absorption (related to Tin organic compounds)
Methyl alcohol	67-56-1
ACGIH:	200 ppm TWA
	250 ppm STEL
	Skin - potential significant contribution to overall exposure by the cutaneous route
NIOSH:	200 ppm TWA; 260 mg/m ³ TWA
	250 ppm STEL; 325 mg/m ³ STEL
	Potential for dermal absorption
	6000 ppm IDLH
Europe:	200 ppm TWA; 260 mg/m ³ TWA
	Possibility of significant uptake through the skin
OSHA (US):	200 ppm TWA; 260 mg/m ³ TWA
Mexico:	200 ppm TWA LMPE-PPT; 260 mg/m ³ TWA LMPE-PPT
	250 ppm STEL [LMPE-CT]; 310 mg/m ³ STEL [LMPE-CT]
	Skin - potential for cutaneous absorption

Biological limit value

There are no biological limit values for any of this product's components.

Engineering Controls

Under normal conditions of use, no special ventilation equipment is needed. Ensure compliance with applicable exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection

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

Skin Protection

Wear appropriate chemical resistant clothing.

Respiratory Protection

No respirator is required under normal conditions of use.

Glove Recommendations

Wear appropriate chemical resistant gloves.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	clear	Physical State	liquid
Odor	sweet alcohol odor	Color	clear
Odor Threshold	Not available	pH	Not available
Melting Point	Not available	Boiling Point	Not available
Freezing point	Not available	Evaporation Rate	Not available
Boiling Point Range	Not available	Flammability (solid, gas)	Non-flammable
Autoignition	Not available	Flash Point	>200 F
Lower Explosive Limit	Not available	Decomposition	Not available
Upper Explosive Limit	Not available	Vapor Pressure	Not available
Vapor Density (air=1)	Not available	Specific Gravity (water=1)	1.1 (water=1)
Water Solubility	insoluble	Partition coefficient: n-octanol/water	Not available
Viscosity	Not available	Solubility (Other)	Not available
Density	9.16	Physical Form	Paste

VOC	17 g/L	Volatility by Weight	<1.5 %
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Section 10 - STABILITY AND REACTIVITY

Reactivity

No reactivity hazard is expected.

Chemical Stability

Stable at normal temperatures and pressure.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

Incompatible Materials

oxidizing materials.

Hazardous decomposition products

Decomposition products on contact with water or moisture: methanol.

Thermal decomposition products

aldehydes, acids, oxides of carbon, oxides of silicon

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation

Harmful if inhaled.

Skin Contact

Harmful in contact with skin. May cause allergic skin reaction.

Eye Contact

Causes serious eye irritation.

Ingestion

Harmful if swallowed.

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:

Silica, amorphous, fumed, crystalline-free (112945-52-5)

Oral LD50 Rat 3160 mg/kg

Dermal LD50 Rabbit > 2000 mg/kg (related to Silica, amorphous)

Inhalation LC50 Rat > 2.2 mg/L 1 h (related to Silica, amorphous)

Dibutyltin oxide (818-08-6)

Oral LD50 Rat 44.9 mg/kg

Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)

Oral LD50 Rat 2615 mg/kg

Methyl alcohol (67-56-1)

Oral LD50 Rat 6200 mg/kg

Inhalation LC50 Rat 22500 ppm 8 h

Immediate Effects

Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled. Causes serious eye irritation. May cause allergic skin reaction.

Delayed Effects

May cause kidney damage, liver damage.

Irritation/Corrosivity Data

eye irritation.

Respiratory Sensitization

No information available for the product.

Dermal Sensitization

May cause allergic skin reaction.

Component Carcinogenicity

Silica, amorphous, fumed, crystalline-free	112945-52-5
IARC:	Monograph 68 [1997] (Group 3 (not classifiable))
Dibutyltin oxide	818-08-6
ACGIH:	A4 - Not Classifiable as a Human Carcinogen (related to Tin organic compounds)
DFG:	Category 4 (no significant contribution to human cancer) (related to Dibutyltin compounds)

Germ Cell Mutagenicity

No information available for the product.

Reproductive Toxicity

No information available for the product.

Specific Target Organ Toxicity - Single Exposure

No target organs identified.

Specific Target Organ Toxicity - Repeated Exposure

kidney, liver

Aspiration hazard

No information available for the product.

Medical Conditions Aggravated by Exposure

No data available.

Section 12 - ECOLOGICAL INFORMATION

Component Analysis - Aquatic Toxicity

Silica, amorphous, fumed, crystalline-free	112945-52-5
Fish:	LC50 96 h Brachydanio rerio 5000 mg/L [static] (related to Silica, amorphous)
Algae:	EC50 72 h Pseudokirchneriella subcapitata 440 mg/L IUCLID (related to Silica, amorphous)
Invertebrate:	EC50 48 h Ceriodaphnia dubia 7600 mg/L IUCLID (related to Silica, amorphous)
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7
Fish:	LC50 96 h Lepomis macrochirus 0.97 mg/L [static]
Methyl alcohol	67-56-1
Fish:	LC50 96 h Pimephales promelas 28200 mg/L [flow-through]; LC50 96 h Pimephales promelas >100 mg/L [static]; LC50 96 h Oncorhynchus mykiss 19500 - 20700 mg/L [flow-through]; LC50 96 h Oncorhynchus mykiss 18 - 20 mL/L [static]; LC50 96 h Lepomis macrochirus 13500 - 17600 mg/L [flow-through]

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose in accordance with all applicable regulations.

Section 14 - TRANSPORT INFORMATION**US DOT Information:**

UN/NA #: Not Regulated

TDG Information:

UN#: Not Regulated

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.

Methyl alcohol	67-56-1
SARA 313:	1 % de minimis concentration
CERCLA:	5000 lb final RQ; 2270 kg final RQ

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

Acute Health: Yes **Chronic Health:** Yes **Fire:** No **Pressure:** No **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
Silica, amorphous, fumed, crystalline-free	112945-52-5	Yes	Yes	Yes	Yes	Yes
Dibutyltin oxide	818-08-6	No	No	Yes	No	No
Methyl alcohol	67-56-1	Yes	Yes	Yes	Yes	Yes

Not listed under California Proposition 65**Canada Regulations**

This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

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

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

Section 16 - OTHER INFORMATION

NFPA Ratings

Health: 2 Fire: 1 Reactivity: 0

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

Summary of Changes

New SDS: 3/3/2015

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; 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.

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