

**PRODUCT: EW13521 POLYESTER GLAZING PUTTY****SECTION 01: Chemical product and company identification**

Manufactured for..... THE EASTWOOD COMPANY  
 263 SHOEMAKER ROAD  
 POTTSTOWN, PA  
 Product name..... EW13521 POLYESTER GLAZING PUTTY  
 Recommended use and restrictions on use.. Automotive. For industrial use only - keep out of reach of children.  
 Chemical family..... Mixture.  
 NFPA rating..... Health: 2 Fire: 3 Reactivity: 0.  
 HMIS..... H: 2 F: 3 R: 0.  
 24 hour emergency number..... IN THE UNITED STATES CALL CHEMTREC 1-800-424-9300.

**SECTION 02: Hazards identification**

Signal Word..... DANGER.  
 Hazard Classification..... Flammable Liquid 3. Aspiration Toxicity 1. Acute Toxicity 4. Carcinogen 1A. Reproductive 2. STOT RE 1.  
 Hazard Description..... H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H332 Harmful if inhaled. H350 This product contains ingredients that may cause cancer. H361 This product contains ingredients that are suspected of damaging fertility or the unborn child. H372 Causes damage to organs through prolonged or repeated exposure.  
 Prevention..... P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion proof equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P280 Wear protective gloves and eye protection. P261 Avoid breathing mists, vapours and sprays. P271 Use only outdoors or in a well ventilated area. P201 Obtain special instructions before use. P202 Do not handle this product until all safety instructions have been read and understood. P260 Do not breathe mist, vapours, or spray. P264 Wash hands thoroughly after handling. P270 Do not eat drink or smoke while using this product.  
 Response ..... P303 + P361 + P353 If on skin or in hair: take off all contaminated clothing immediately. Rinse thoroughly with water and use safety shower. P370 + P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish. P301 + P310 If swallowed IMMEDIATELY CALL A POISON CONTROL CENTRE and follow instructions provided by the centre. P331 Do NOT induce vomiting. P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/doctor if you feel unwell. P308 + P313 If exposed or concerned, get medical advice/attention.  
 Storage..... P403 + P233 Store in a well ventilated area. Keep container tightly closed. P405 Store locked up.  
 Disposal..... P501 Dispose all unused, waste or empty containers in accordance with local regulations.

**SECTION 03: Composition/Information on Ingredients**

HAZARDOUS INGREDIENTS	CAS #	WT. %
Styrene	100-42-5	10-30
Talc	14807-96-6	10-20
Titanium Dioxide	13463-67-7	1-5
Quartz	14808-60-7	0.1-1.0
N,N-Dimethylacetamide	127-19-5	0.1-1.0

**PRODUCT: EW13521 POLYESTER GLAZING PUTTY****SECTION 04: First aid measures**

Eye contact.....	In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Obtain medical attention.
Skin contact.....	Remove all contaminated clothing and immediately wash the exposed areas with copious amounts of water for a minimum of 30 minutes or up to 60 minutes for critical body areas. If irritation persists, seek medical attention. Skin contact.
Inhalation.....	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen, obtain medical attention.
Ingestion.....	If ingestion is suspected, contact physician or poison control center immediately. If spontaneous vomiting occurs have victim lean forward with head down to prevent aspiration of fluid into the lungs. Never give anything by mouth to an unconscious person.
Additional information.....	Treat victims symptomatically. In the event of an incident involving this product ensure that medical authorities are provided a copy of this safety data sheet.

**SECTION 05: Fire fighting measures**

Suitable and unsuitable extinguishing media	"Alcohol" foam, CO2, dry chemical.
Special fire fighting procedures.....	Firefighter should be equipped with self-contained breathing apparatus and full protective clothing to protect against potentially toxic and irritating fumes. Solvent vapours may be heavier than air and may build up and travel along the ground to an ignition source, which may result in a flash back to the source of the vapours. Cool fire-exposed containers with cold water spray. Heat will cause pressure buildup and may cause explosive rupture.
Hazardous combustion products.....	Oxides of carbon (CO, CO2). By fire: protect against potentially toxic and irritating fumes.

**SECTION 06: Accidental release measures**

Personal precautions, protective equipment and emergency procedures	Isolate area and keep unauthorized people away. Do not walk through spilled material. Wear recommended protective equipment. Ventilate. Open windows and doors to allow air circulation. Dike area to prevent spreading. The use of absorbent socks or spill pillows may be required. Stop leak if safe to do so. Prevent runoff into drains, sewers, and other waterways.
Methods and materials for containment and cleaning up	Dike area to contain the spill, prevent runoff from going into drains, absorb residual material with an inert absorbent, shovel or pump to a properly labelled container and dispose of as a hazardous waste.

**SECTION 07: Handling and storage**

Handling procedures.....	Avoid all skin contact and ventilate adequately, otherwise wear an appropriate breathing apparatus. Always adopt precautionary measures against build-up of static which may arise from appliances, handling and the containers in which product is packed. Avoid breathing vapours or mist. Ground handling equipment. Handle and open container with care. Employees should wash hands and face before eating or drinking. Keep away from heat, sparks, and open flame.
Storage needs.....	Keep container closed when not in use. Store away from all sources of heat and ignition. Store away from oxidizing and reducing materials. Store away from sunlight.

**SECTION 08: Exposure controls / personal protection**

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
Styrene	20 ppm	40 ppm	100 ppm	Not established	100 ppm
Talc	2 mg/m3	Not established	2 mg/m3 TWA	3 mg/m3 - QUE	Not established
Titanium Dioxide	10 mg/m3	Not established	15 mg/m3	Not established	Not established
Quartz	0.025 mg/m3	Not Established	0.1 mg/m3 Respiratory	Not Established	0.05 mg/m3
N,N-Dimethylacetamide	No data 10 ppm	No data	No data	No data	No data
Protective equipment					
Eye/type.....					Liquid chemical goggles.
Gloves/ type.....					Chemical resistant gloves.
Respiratory/type.....					Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits.
Clothing/type.....					Wear adequate protective clothes.
Footwear/type.....					Safety boots per local regulations.
Other/type.....					Emergency showers and eye wash stations should be available.

**PRODUCT: EW13521 POLYESTER GLAZING PUTTY****SECTION 08: Exposure controls / personal protection**

Appropriate engineering controls..... Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits. Local mechanical exhaust ventilation should be used at sources of air contamination, such as open process equipment, or during purging operations, to capture gases and fumes that may be emitted. Standard reference sources regarding industrial ventilation (ie. ACGIH industrial ventilation) should be consulted for guidance about adequate ventilation. .

**SECTION 09: Physical and chemical properties**

Physical state..... Paste.  
 Colour..... Light yellow.  
 Odour..... Hydrocarbon odour.  
 Odour threshold (ppm)..... 0.15-25 ppm (Styrene).  
 Vapour pressure (mm Hg)..... Not available.  
 Vapour density (air=1)..... 3.6 (Styrene).  
 Relative Density (Specific Gravity)..... 8.108 lg/usg - 0.973.  
 pH..... Not applicable.  
 Melting / Freezing point (deg C)..... Not Available.  
 Solubility..... Slightly soluble in water.  
 Initial boiling point / boiling range (deg C)..... 145°C.  
 Evaporation rate..... Not available.  
 Flash point (deg C), method..... 32°C Closed Cup.  
 Auto ignition temperature (deg C)..... 490°C.  
 Upper flammable limit (% vol)..... 6.8.  
 Lower flammable limit (% vol)..... 0.9.  
 Coefficient of water/oil distribution..... Not available.  
 VOC..... 42 g/L - 0.35 lb/usg.  
 Viscosity..... 31,000 cps @ 10 rpm spindle C.

**SECTION 10: Stability and reactivity**

Chemical stability..... Stable at normal temperatures and pressures.  
 Reactivity ..... Avoid heat, sparks and flames. Explosive reactions can occur in the presence of strong oxidizing agents.  
 Conditions to avoid..... Keep away from heat. Incompatible with strong oxidizers.  
 Hazardous decomposition products..... See hazardous combustion products section 5.  
 Possibility of hazardous reactions..... Will not occur under normal temperature and pressure.

**SECTION 11: Toxicological information**

INGREDIENTS	LC50	LD50
Styrene	2770 ppm 4 hr rat	5000 mg/kg rat oral
Talc	Not available	Not available
Titanium Dioxide	Not Available	> 10,000 mg/kg rat oral > 10,000 mg/kg rabbit dermal
Quartz	Not Available	Not Available
N,N-Dimethylacetamide	2475 ppm rat	4300 mg/kg oral rat; 2240 mg/kg dermal rat
Route of entry .....	Eye contact. Skin contact. Inhalation.	
Effects of acute exposure.....	The aromatic hydrocarbon solvents in this product can be irritating to the eyes, nose and throat. In high concentration, they may cause central nervous system depression and narcosis characterized by nausea, lightheadedness and dizziness from overexposure by inhalation.	
Effects of chronic exposure.....	Prolonged or repeated exposure may lead to allergic skin reactions. May cause damage to the respiratory system, lungs, eyes, skin and central nervous system. Prolonged or repeated exposure may result in an allergic respiratory reaction in sensitive individuals. Prolonged or repeated exposure may lead to kidney or central nervous system symptoms. This product contains crystalline silica. Excessive long-term exposure to crystalline silica may cause silicosis, a form of disabling, progressive and sometimes fatal fibrotic lung disease. Severe and permanent lung damage may result. Prolonged overexposure to crystalline silica (quartz) dust can cause fibrotic lung damage.	
Sensitizing capability of material.....	None reported.	
Carcinogenicity of material.....	Styrene is classified by IARC as a Group 2B carcinogen. IARC has classified Titanium Dioxide as a group 2B carcinogen. Quartz (Crystalline Silica) is listed by IARC in Group 1 as a carcinogen. . This product contains non-asbestiform Talc, which is classified as a Group 3 (not classifiable as to carcinogenicity to humans) by IARC .	

**PRODUCT: EW13521 POLYESTER GLAZING PUTTY****SECTION 11: Toxicological information**

Reproductive effects..... N,N-dimethylacetamide is known to the state of California to cause developmental effects.

**SECTION 12: Ecological information**

Environmental..... Do not allow to enter waters, waste water or soil.

**SECTION 13: Disposal considerations**

Waste disposal..... Empty containers must be handled with care due to product residue. This material and its container must be disposed of as hazardous waste. Avoid release to the environment.

**SECTION 14: Transport information**

TDG Classification..... UN3269 - Polyester Resin Kit - Class 3 - Packing Group III - This product meets the criteria for Limited Quantity Exemptions when packaged in containers less than 5 litres .  
 IATA Classification (Air)..... UN3269 - Polyester Resin Kit - Class 3 - Packing Group III.  
 IMDG Classification (Marine)..... UN3269 - Polyester Resin Kit - Class 3 - Packing Group III - EmS: F-E S-D.  
 Marine Pollutant..... No.  
 Proof of Classification..... In accordance with Part 2.2.1 of the Transportation of Dangerous Goods Regulations (July 2, 2014) - we certify that classification of this product is correct. .

**SECTION 15: Regulatory information**

WHMIS 1988 classification..... B2, D2A, D2B.  
 CEPA status..... On Domestic Substances List (DSL).  
 TSCA inventory status..... All components are listed.  
 OSHA..... This product is considered hazardous under the OSHA Hazard Communication Standard.  
 SARA Title III  
 Section 302 - extremely hazardous substances ..... None.  
 Section 311/312 - hazard categories..... Immediate health, delayed health, fire hazard.  
 Section 313..... Styrene.  
 EPA hazardous air pollutants (HAPS) ..... Styrene.  
 40CFR63  
 California Proposition 65..... \*WARNING: This product contains a chemical known to the State of California to cause cancer. (Crystalline silica). (Styrene). (Titanium dioxide). (Aniline). \*WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. (N,N-Dimethylacetamide).

**SECTION 16: Other information**

Prepared by: ..... REGULATORY AFFAIRS. Trivalent Data Systems Ltd. www.trivalent.com.  
 Telephone number:..... (800) 387-7981.  
 Disclaimer:..... DISCLAIMER: All information appearing herein is based upon data obtained from experience and recognized technical sources. To the best of our knowledge, it is believed to be correct as of the date of issue but we make no representations as to its accuracy or sufficiency and do not suggest or guarantee that any hazards listed herein are the only ones which exist. The hazard information contained herein is offered solely for the consideration of the user, subject to his own investigation and verification of compliance with applicable regulations, including the safe use of the product under every foreseeable condition. The information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.  
 Preparation date: ..... SEP 21/2016

**PRODUCT: BLUE CREAM HARDENER****SECTION 01: Chemical product and company identification**

Product name..... BLUE CREAM HARDENER  
 Manufactured for..... The Eastwood Company  
 263 Shoemaker Road  
 Pottstown, PA 19464  
 Tel (800) 343-9353  
 24 hour emergency number:..... CALL CHEMTREC 1-800-424-9300.  
 Material use..... Accelerator and activator. For industrial use only - keep out of reach of children. This product should not be used for any other purpose other than the ones described in this section.  
 Chemical family..... Mixture.  
 Preparation date..... July 14, 2015.  
 Hazard rate  
 NFPA rating..... Health: 2 Fire: 0 Reactivity: 0.  
 HMIS..... H: 2 F: 2 R: 0.

**SECTION 02: Hazards identification**

Signal Word..... DANGER.  
 Hazard Classification..... Oxidizing Solid 2. Organic Peroxide Type C.  
 Hazard Description..... H242 Heating may cause a fire. H272 May intensify fire; oxidizer.  
 Precautionary Statements..... P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking. P220 Keep away from clothing and other combustible materials. P234 Keep only in original packaging. P235 Keep cool. P240 Ground and bond container and receiving equipment. P280 Wear protective gloves and eye protection.  
 Response ..... P370 + P378 In case of fire - use dry chemical powder, CO2 or 6% foam to extinguish.  
 Storage..... P403 Store in a well ventilated area. P410 Protect from sunlight. P411 Store at temperatures not exceeding 60°C / 140°F. P420 Store separately.  
 Disposal..... P501 Dispose all unused, waste or empty containers in accordance with local regulations.

**SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS**

HAZARDOUS INGREDIENTS	CAS #	WT. %
BENZOYL PEROXIDE	94-36-0	50-60
ZINC STEARATE	557-05-1	5-10

**SECTION 04: First aid measures**

Eye contact..... In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Obtain medical attention.  
 Skin contact..... Remove all contaminated clothing and immediately wash the exposed areas with copious amounts of water for a minimum of 30 minutes or up to 60 minutes for critical body areas. If irritation persists, seek medical attention.  
 Inhalation..... If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen, obtain medical attention.  
 Ingestion..... Do not induce vomiting. If ingestion is suspected, contact physician or poison control center immediately. If spontaneous vomiting occurs have victim lean forward with head down to prevent aspiration of fluid into the lungs. Never give anything by mouth to an unconscious person.  
 Additional information..... Treat victims symptomatically. The main hazard from ingestion is aspiration of the liquid into the lungs producing chemical pneumonitis. In the event of an incident involving this product ensure that medical authorities are provided a copy of this safety data sheet.

**PRODUCT: BLUE CREAM HARDENER****SECTION 05: Fire fighting measures**

Extinguishing media.....	"Alcohol" foam, CO <sub>2</sub> , dry chemical.
Hazardous combustion products.....	Oxides of carbon (CO, CO <sub>2</sub> ). Benzoic acid. Hydrocarbons.
Special fire fighting procedures.....	Firefighter should be equipped with self-contained breathing apparatus and full protective clothing to protect against potentially toxic and irritating fumes. Fight fire like a fuel oil fire.
Unusual fire / explosion hazards.....	Fire hazard increases when material becomes dry. Vapours may be heavier than air. May travel long distances along the ground before igniting and flashing back to vapour source.

**SECTION 06: Accidental release measures**

Leak/spill.....	Ventilate. Eliminate all sources of ignition. Isolate area and keep unauthorized people away. Do not walk through spilled material. Contain the spill. Prevent runoff into drains, sewers, and other waterways. Absorb with earth, sand, or another dry inert material. Spilled material and water rinses are classified as chemical waste, and must be disposed of in accordance with current local, provincial, state, and federal regulations.
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**SECTION 07: Handling and storage**

Handling procedures.....	Keep away from heat, sparks, and open flame. Do not breathe vapours, mist or dust. Avoid all skin contact and ventilate adequately, otherwise wear an appropriate breathing apparatus. Handle in accordance with good industrial hygiene and safety practices. Always adopt precautionary measures against build-up of static which may arise from appliances, handling and the containers in which product is packed. Ground handling equipment. Handle and open container with care. Employees should wash hands and face before eating or drinking.
Storage needs.....	Keep away from heat, sparks, and open flames. Keep container closed when not in use. Store in a cool dry place away from organic materials.

**SECTION 08: Exposure controls / personal protection**

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
BENZOYL PEROXIDE	5 mg/m <sup>3</sup>	Not Established	5 mg/m <sup>3</sup>	Not Established	5 mg/m <sup>3</sup> TWA
ZINC STEARATE	10 mg/m <sup>3</sup>	Not Established	10 mg/m <sup>3</sup>	Not Established	10 mg/m <sup>3</sup> TWA
Eye/type.....	Liquid chemical goggles.				
Respiratory/type.....	Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits.				
Gloves/ type.....	Chemical resistant gloves.				
Clothing/type.....	Wear adequate protective clothes.				
Footwear/type.....	Safety boots per local regulations.				
Other/type.....	Emergency showers and eye wash stations should be available.				
Ventilation requirements.....	Local exhaust at points of emission.				

**SECTION 09: Physical and chemical properties**

Physical state	Blue.
Colour.....	Blue.
Odour.....	Faint, benzaldehyde-like odor.
Odour threshold (ppm).....	Not Available.
Boiling point (deg C).....	100.5°C (212.9°F).
Evaporation rate.....	3.1.
Flash point (deg C), method.....	No data.
Freezing point (deg C).....	Not Available.
Melting point (deg c).....	145°C (293°F).
pH.....	5.2 - 6.5.
Auto ignition temperature (deg C).....	Not Available.
Lower flammable limit (% vol).....	No data.
Upper flammable limit (% vol).....	No data.
Solubility.....	53 mg/L @ 5°C.
Relative Density (Specific Gravity).....	1.2.
Vapour density (air=1).....	No data.
Vapour pressure (mm Hg).....	0.0002 hPa . Estimated.
Viscosity.....	Not Available.
VOC.....	0 lb/usc - 0 g/mL.
% Volatile by weight.....	20% Estimated.
Decomposition temperature.....	50°C (122°F) SADT.
Density.....	9.98 lb/gal.



**PRODUCT: BLUE CREAM HARDENER****SECTION 10: Stability and reactivity**

Stability.....	Stable at normal temperatures and pressures.
Reactivity conditions.....	Avoid heat, sparks and flames. Possible decomposition if exposed to elevated temperatures.
Incompatibility.....	Avoid contact in uncontrolled conditions with: . Organic chemicals. Inorganic acids. Strong oxidizers. Accelerators. Reducing agents. Alcohols. Amines. Strong bases.
Hazardous products of decomposition.....	See hazardous combustion products.
Hazardous polymerization.....	Hazardous polymerization will not occur.

**SECTION 11: Toxicological information**

INGREDIENTS	LC50	LD50
BENZOYL PEROXIDE	No data	7710 mg/kg (Rat, Oral)
ZINC STEARATE	No data	No data
Route of entry .....	Eye contact. Skin contact. Ingestion. Inhalation.	
Effects of acute exposure.....	Contact with paste may result in irritation, redness, tearing, and blurred vision. May cause skin irritation. If ingested, this product may be absorbed and result in gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.	
Effects of chronic exposure.....	Prolonged or repeated skin contact may cause drying or cracking of skin.	
Carcinogenicity of material.....	This product is not listed by NTP, IARC or regulated as a carcinogen by OSHA.	
Reproductive effects.....	No data.	

**SECTION 12: Ecological information**

Environmental.....	Do not allow to enter waters, waste water or soil.
Biodegradability.....	Not Available.

**SECTION 13: Disposal considerations**

Waste disposal.....	Empty containers must be handled with care due to product residue. Dispose of as an industrial waste in a manner acceptable to good waste management practice and in accordance with applicable local, provincial/State or federal regulations.
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**SECTION 14: Transport information**

TDG Classification.....	The product meets the Limited Quantity exemption when packaged in containers less than 0.5 kg. For packages greater than 0.5 kg, the classification is - Organic Peroxide, Type E, Solid (Benzoyl Peroxide) - Class 5.2 - UN3108 - PG II.
DOT Classification (Road).....	Organic peroxide, Type E, Solid (Benzoyl peroxide) - UN3108 - Class 5.2 - PG II.
IATA Classification (Air).....	Organic peroxide, Type E, Solid (Benzoyl peroxide) - UN3108 - Class 5.2 - PG II.
IMDG Classification (Marine).....	Organic Peroxide, Type E, Solid (Benzoyl peroxide) - UN3108 - Class 5.2 - PG II.
Marine Pollutant.....	Potential marine pollutant.
Proof of Classification.....	In accordance with Part 2.2.1 of the Transportation of Dangerous Goods Regulations (July 2, 2014) - we certify that classification of this product is correct. .

**SECTION 15: Regulatory information**

CEPA status.....	On Domestic Substances List (DSL).
OSHA.....	This product is considered hazardous under the OSHA Hazard Communication Standard.
SARA Title III	
Section 302 - extremely hazardous substances .....	None.
Section 311/312 - hazard categories.....	Fire hazard. Reactive.
Section 313.....	Benzoyl peroxide.
EPA hazardous air pollutants (HAPS) .....	None.
40CFR63	
TSCA inventory status.....	All components are listed.
California Proposition 65.....	This product does not contain any chemical(s) known to the State of California to cause cancer or reproductive toxicity.

**SECTION 16: Other information**

Prepared by: .....	REGULATORY AFFAIRS.
Telephone number:.....	(800) 387-7981.

## PRODUCT: BLUE CREAM HARDENER

## SECTION 16: Other information

Disclaimer:..... DISCLAIMER: All information appearing herein is based upon data obtained from experience and recognized technical sources. To the best of our knowledge, it is believed to be correct as of the date of issue but we make no representations as to its accuracy or sufficiency and do not suggest or guarantee that any hazards listed herein are the only ones which exist. The hazard information contained herein is offered solely for the consideration of the user, subject to his own investigation and verification of compliance with applicable regulations, including the safe use of the product under every foreseeable condition. The information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.

Preparation date: ..... JUL 14/2015