

Section 01: Chemical product and company identification

Product name...... EW13521 POLYESTER GLAZING PUTTY Manufactured for...... THE EASTWOOD COMPANY

263 SHOEMAKER ROAD

POTTSTOWN, PA

CHEMTREC (800) 424-9300.

Preparation date...... September 19, 2013.

Hazard rate

NFPA rating...... Health: 2 Fire: 3 Reactivity: 0.

HMIS...... H: 2 F: 3 R: 0.

Section 02: Hazards identification



Signal Word Hazard Classification	Acute Toxicity 4. Carcinogen 2. Respiratory Sensitizer 1. Skin Sensitizer 1. Flammable
Hazard Description	Liquid 3. STOT RE 2. H313 May be harmful in contact with skin. H317 May cause an allergic skin reaction. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H351 This product contains ingredients that are suspected of causing cancer. H373 May cause damage to the liver and kidneys through prolonged or repeated contact. H226 Flammable liquid and vapour.
Precautionary Statements	P202 Do not handle this product until all safety instructions have been read and understood. 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. P273 Avoid release to the environment. P241 Use explosion proof equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P261 Avoid breathing mists, vapours and sprays. P264 Wash thoroughly after handling. P271 Use only outdoors or in a well ventilated area. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves and eye protection. P284 In case of inadequate ventilation wear respiratory protection.

Section 03: COMPOSITION/INFORMATION ON INGREDIENTS			
Hazardous Ingredients	CAS#	Wt. %	
STYRENE	100-42-5	10-30	
TALC	14807-96-6	10-30	
CALCIUM CARBONATE	1317-65-3	7-13	
TITANIUM DIOXIDE	13463-67-7	1-5	
QUARTZ	14808-60-7	0.1-1.0	
2-PHENOXYETHANOL	122-99-6	0.1-1.0	
CHLORITE	1318-59-8	0.1-1.0	
DOLOMITE	16389-88-1	0.1-1.0	
N,N-DIMETHYL-P-TOLUIDINE	99-97-8	<0.1	
SILICON DIOXIDE	7631-86-9	<0.1	

Section 04: First aid measures

medical authorities are provided a copy of this safety data sheet.

Section 05: Fire fighting measures

Section 06: Accidental release measures

Section 07: Handling and storage

Section 08: Exposure controls / personal protection

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Ingredients	TWA	IH TLV STEL	OSH/ PEL	A PEL STEL	NIOSH REL
STYRENE	20 ppm	40 ppm	100 ppm	Not established	100 ppm
TALC	No data 2 mg/m3	No data	2 mg/m3	No data	2 mg/m3
CALCIUM CARBONATE	No data No data	No data	5 mg/m3	No data	5 mg/m3
TITANIUM DIOXIDE	No data 10 mg/m3	No data	15 mg/m3	No data	No data
QUARTZ	10 mg/m3 0.025 mg/m3	No data	No data	No data	0.05 mg/m3
2-PHENOXYETHANOL	No data No data	No data	No data	No data	No data
CHLORITE	No data No data	No data	No data	No data	No data
	No data				
DOLOMITE	Not established	Not established	Not established	Not established	Not established

Section 08: Exposure controls / personal protection

Ingredients	TWA ACG	H TLV STEL	OSHA PEL	PEL STEL	NIOSH REL
N,N-DIMETHYL-P-TOLUI DINE	No data	No data	No data	No data	No data
	No data				
SILICON DIOXIDE	Withdrawn	Withdrawn	15 mg/m3	Not established	6 mg/m3
Protective equipment Eye/type Respiratory/type Gloves/ type Clothing/type Footwear/type Other/type Ventilation requirements		Liquid chemical goggles Local exhaust ventilatio when contaminant level Chemical resistant glov Wear adequate protecti Safety boots per local re Emergency showers an Provide natural or mech exposure limits. Local n contamination, such as gases and fumes that ne ventilation (ie. ACGIH in	on is recommended. We ls exceed the recommendes. It is clothes. It is clothes. It is clothes that is considered with the construction of the const	ended exposure limits. hould be available. ontrol exposure levels b ntilation should be used ent, or during purging o ard reference sources re	elow airborne I at sources of air perations, to capture egarding industrial

Exposure limits

Section 09: Physical and chemical properties

adequate ventilation. .

Physical state Colour Odour Odour threshold (ppm) Vapour pressure (mm Hg) Vapour density (air=1) Specific gravity pH Freezing point (deg C) Solubility Boiling point (deg C) Evaporation rate Flash point (deg C), method Auto ignition temperature (deg C) Upper flammable limit (% vol) Lower flammable limit (% vol) Coefficient of watervoil distribution	Paste. Light yellow. Hydrocarbon odour. 0.15-25 ppm (Styrene). No data. 3.6 (Styrene). 8.108 lg/usg - 0.973. Not applicable. No data. Slightly soluble in water. 145°C. No data. 32°C Closed Cup. 490°C. 6.8. 0.9. No data.
Viscosity	31,000 cps @ 10 rpm spindle

Section 10: Stability and reactivity

Stability	Stable at normal temperatures and pressures.
Reactivity conditions	Avoid heat, sparks and flames. Explosive reactions can occur in the presence of strong
•	oxidizing agents.
Incompatibility	Keep away from heat. Incompatible with strong oxidizers.
Hazardous products of decomposition	See hazardous combustion products.
Hazardous polymerization	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	No data	No data
CALCIUM CARBONATE	No data	6450 mg/kg rat oral
TITANIUM DIOXIDE		> 10,000 mg/kg rat oral > 10,000 mg/kg rabbit dermal
QUARTZ	No data	No data
2-PHENOXYETHANOL	No data	14,000-40,000 mg/kg Oral Rat
CHLORITE	No data	No data

Section 11: Toxicological information				
Ingredients LC	50	LD50		
DOLOMITE No	data	No data		
N,N-DIMETHYL-P-TOLUIDINE 140	0 mg/m3 rat 4 hours	No data		
	data	No data		
Route of entry Effects of acute exposure	 The aromatic hydrocarbon solvents in this throat. In high concentration, they may ca narcosis characterized by nausea, lighthe inhalation. 	Eye contact. Skin contact. Inhalation. 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		
Effects of chronic exposure	the respiratory system, lungs, eyes, skin a repeated exposure may result in an allerg Prolonged or repeated exposure may lear This product contains crystalline silica. Exmay cause silicosis, a form of disabling, p	ic respiratory reaction in sensitive individuals. It to kidney or central nervous system symptoms. It is cessive long-term exposure to crystalline silica It is rogressive and sometimes fatal fibrotic lung It is nay result. Prolonged overexposure to		
Sensitizing capability of material				
Toxicological Data				
Sect	ion 12: Ecological information			
EnvironmentalBiodegradability	Do not allow to enter waters, waste water No data.	or soil.		
Section	on 13: Disposal considerations			
Waste disposal	. Empty containers must be handled with c container must be disposed of as hazardo	are due to product residue. This material and its ous waste. Avoid release to the environment.		
Sect	ion 14: Transport information			
TDG Classification		vhen packaged in containers less than 5 litres . Packing Group III.		
Section 15: Regulatory information				
WHMIS classification	 On Domestic Substances List (DSL). This product is considered hazardous und None. Immediate health, delayed health, fire haz Styrene. 	der the OSHA Hazard Communication Standard.		
EPA hazardous air pollutants (HAPS)	All components are listed. This product contains Crystalline Silica (Cancer. California is in the process of listing the content of	Quartz) known to the State of California to cause ng Titanium Dioxide to Proposition 65 as a known listing Styrene to Proposition 65 as a carcinogen		

Section 16: Other information

Prepared by:
Telephone number:

REGULATORY AFFAIRS. (800) 387-7981.
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 Disclaimer:....

Section 16: Other information

Section 01: Chemical product and company identification

Product name..... **BLUE CREAM HARDENER** The Eastwood Company Manufactured for..... 263 Shoemaker Rd. Potttstown, Pa 19464 1800-345-1178 24 hour emergency number:..... In Canada call Canutec (613) 996-6666 - In the United States call Chemtrec (800) 424-9300. Accelerator and activator. Chemical family..... Mixture. Preparation date..... January 17, 2014. Hazard rate NFPA rating...... Health: 2 Fire: 2 Reactivity: 2. HMIS...... H: 2 F: 2 R: 2.

Section 02: Hazards identification





Signal Word...... DANGER. Hazard Classification..... Acute Toxicity 4. Eye Irritant 2. Skin Irritant 2. Skin Sensitizer 1. Aspiration Toxicity 1. Flammable Liquid 4. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Hazard Description..... Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H320 Causes eye irritation. H332 Harmful if inhaled. H227 Combustible liquid. Precautionary Statements..... P243 Take precautionary measures against static discharge. P251 Do not pierce or burn container, even after use. P261 Avoid breathing dust. P261 Avoid breathing mists, vapours and sprays. P264 Wash thoroughly after handling. P270 Do not eat drink or smoke while using this product. P271 Use only outdoors or in a well ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves and eye protection. P202 Do not handle this product until all safety instructions have been read and understood. P284 In case of inadequate ventilation wear respiratory protection. P410 Protect from sunlight. P412 Do not expose to temperature exceeding 50C / 122F. P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking. P211 Do not spray on an open flame or other ignition sources. P233 Keep container tightly closed. P235 Keep cool. P240 Ground and bond container and receiving equipment. P241 Use explosion proof equipment. P242 Use only non-sparking tools. This product is an oxidizer.

Section 03: COMPOSITION/INFORMATION ON INGREDIENTS			
Hazardous Ingredients	CAS#	Wt. %	
BENZYOL PEROXIDE	96-36-0	40-70	
NON-PHTHALATE PLASTICIZER	PROPRIETARY	15-40	
SILICA, AMORPHOUS	7631-86-9	1-5	
CALCIUM CARBONATE	1317-65-3	1-5	

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. 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.

Unusual fire / explosion hazards.....

Section 04: First aid measures

authorities are provided a copy of this safety data sheet.

Section 05: Fire fighting measures

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.

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

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.

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

Protective equipment

when contaminant levels exceed the recomended exposure limits.

Gloves/ type...... Chemical resistant gloves.

Other/type..... Emergency showers and eye wash stations should be available.

Ventilation requirements...... Local exhaust at points of emission.

Exposure limits

Ingredients	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	NIOSH REL
BENZYOL PEROXIDE	No data	No data	No data	No data	No data
NON-PHTHALATE PLASTICIZER	No data	No data	No data	No data	No data
SILICA, AMORPHOUS	No data	No data	No data	No data	No data
CALCIUM CARBONATE	No data	No data	5 mg/m3	No data	5 mg/m3

Section 09: Physical and chemical properties

Physical state	Paste.
Colour	
Odour	Mild odour. Ester odour.
Odour threshold (ppm)	No data.
Vapour pressure (mm Hg)	<1 mm Ha @ 20C.
Vapour density (air=1)	
pH	Neutral.
Specific gravity	1.2.
Freezing point (deg C)	No data.
Solubility	Slightly soluble in water.
Boiling point (deg C)	Decomposes.

Section 09: Physical and chemical properties

Auto ignition temperature (deg C)	No data.
Upper flammable limit (% vol)	No data.
Lower flammable limit (% vol)	No data.
Coefficient of water\oil distribution	No data.
% Volatile by weight	10-20.

VOC...... 0.0 g/L - 0.0 lb/USG.

Viscosity...... No data.

Section 10: Stability and reactivity

Stable at normal temperatures and pressures. Stability..... Avoid heat, sparks and flames. Possible decomposition if exposed to elevated Reactivity conditions..... temperatures.

oxidizers. Accelerators. Reducing agents. Alcohols. Amines. Strong bases.

See hazardous combustion products.

Hazardous products of decomposition...... Hazardous polymerization will not occur. Hazardous polymerization.....

Section 11: Toxicological information

Eye contact. Skin contact. Ingestion. Inhalation. Route of entry Contact with paste may result in irritation, redness, tearing, and blurred vision. May cause Effects of acute exposure..... 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.

Prolonged or repeated exposure may result in skin sensitization.

This product is not listed by NTP, IARC or regulated as a carcinogen by OSHA.

Toxicological Data

Ingredients LC50-inh, rat LD50-Oral.rat

7710 mg/kg Rat Oral BENZYOL PEROXIDE No data

NON-PHTHALATE PLASTICIZER No data

SILICA, AMORPHOUS No data 3160 mg/kg rat oral CALCIUM CARBONATE No data 6450 mg/kg rat oral

Section 12: Ecological information

Environmental..... Do not allow to enter waters, waste water or soil. Biodegradability..... No data.

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.

Section 14: Transport information

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. TDG Classification (Road).....

IATA Classification (Air).....

Organic peroxide, Type E, Solid (Benzoyl peroxide) - UN3108 - Class 5.2 - PG II. Organic Peroxide, Type E, Solid (Benzoyl peroxide) - UN3108 - Class 5.2 - PG II. IMDG Classification (Marine).....

Marine Pollutant.....

Section 15: Regulatory information

WHMIS classification..... B3. C. D2B. F.

On Domestic Substances List (DSL). CEPA status.....

Section 313..... Benzoyl peroxide.

This product is considered hazardous under the OSHA Hazard Communication Standard. OSHA..... SARA Title III

Section 302 - extremely hazardous None.

Section 311/312 - hazard categories..... Immediate health, delayed health.

EPA hazardous air pollutants (HAPS) None.

40CFR63

TSCA inventory status...... All components are listed.

Section 15: Regulatory information

California Proposition 65...... This pr

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.
Disclaimer: DISCLAIMER: All i

DISĆLAIMER: 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.