Safety Data Sheet

Stock Number: 100400
Revision Date: 06-20-2017
Replaces: 08-19-2016

Polyester Glazing Putty

1. Identification

Product identifier used on the label: **Polyester Glazing Putty**
Stock Number: 100400

Other means of identification:
Synonyms: None Known

Recommended use of the chemical and restrictions on use:
Recommended use: Finishing Putty
Restrictions on use: Uses other than recommended use.

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:
ITW Evercoat
a division of Illinois Tool Works Inc.
6600 Cornell Road
Cincinnati, OH 45242
513-489-7600

Telephone number:
CHEMTREC: 1-800-424-9300
CANUTEC: 1-613-996-6666

Emergency phone number: CHEMTREC: 1-800-424-9300 CANUTEC: 1-613-996-6666

2. Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

GHS Hazard Symbols:

GHS Classification:
Skin Sensitisation Category 1
Carcinogenicity Category 1A
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1
Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 1
Aspiration Hazard Category 1
Skin Corrosion/Irritation Category 2
Serious Eye Damage/Eye Irritation Category 2A
Germ Cell Mutagenicity Category 2
Reproductive Toxicity Category 2
Hazardous to the aquatic environment - Acute Category 2

	Flammable Liquid Category 3
Signal Word:	Danger
Hazard Statements:	Flammable liquid and vapor. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of causing genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure. Toxic to aquatic life.
Precautionary Statements:	
Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray. Wash with soap and water thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response:	If swallowed: Immediately call a poison center/doctor. IF ON SKIN: Wash with plenty of soap and water. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment (see Sections 4 to 8 on the SDS and any additional information on the label). Do NOT induce vomiting. If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
In case of fire: Use appropriate media to extinguish.

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

Disposal: Dispose of contents in accordance with your local disposal company along with national/international regulations.

Hazards not otherwise classified: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

3. Composition/information on ingredients

Chemical Name	Common name and synonyms	CAS #	%
Silica, amorphous	None Known	7631-86-9	0.1 - 1
Tetrahydrophthalic anhydride	None Known	85-43-8	0.1 - 1
Titanium dioxide	None Known	13463-67-7	5 - 10
Styrene	None Known	100-42-5	10 - 30
Talc	None Known	14807-96-6	10 - 30

One or more hazardous ingredient(s) is claimed as a trade secret under the OSHA Hazard Communication Standard. The hazards of this (these) ingredient(s) are given on this SDS.

4. First-aid measures

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately If the victim has stopped breathing open airway, loosen collar and belt, and administer artificial respiration. Keep the victim warm and quiet.

Eye Contact: Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists. Wash clothing before reuse. Remove contaminated clothing and continue flushing with water.

Ingestion: Do not induce vomiting and seek medical attention immediately. Drink

	two glasses of water or milk to dilute. Provide medical care provider with this SDS. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. If possible, do not leave individual unattended. If individual is drowsy or unconscious, do not give anything by mouth; place individual on left side with head down.
Most important symptoms/effects, acute and delayed:	May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure
Indication of immediate medical attention and special treatment needed, if necessary:	Specific treatment (see Sections 4 to 8 on the SDS and any additional information on this label).

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media:	Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire. Regular foam
Unsuitable extinguishing media:	No data available
Specific hazards arising from the chemical:	Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back.
Hazardous combustion products:	Carbon dioxide, Carbon monoxide, Styrene oxide, Hydrocarbons
Special protective equipment and precautions for fire-fighters:	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Wear a self contained breathing apparatus (NIOSH approved) with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Water may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat.

6. Accidental release measures

Personal precautions, protective	No health affects expected from the clean-up of this material if contact

equipment and emergency procedures:	can be avoided. Follow personal protective equipment recommendations found in Section 8 of this SDS
Methods and materials for containment and cleaning up:	No special spill clean-up considerations. Collect and discard in regular trash. Use an inert absorbent such as sand or vermiculite. Place in properly labeled closed container. Avoid breathing vapors. All personnel in the area should be protected as in Section 8. Activate available exhaust ventilation equipment in the immediate spill area. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

7. Handling and storage

Precautions for safe handling:	Mildly irritating material. Avoid unnecessary exposure. Keep out of the reach of children. Keep container closed when not in use. Do not take internally. Avoid contact with material, avoid breathing dusts or fumes, use only in a well ventilated area. Use with adequate ventilation Wash hands before eating Do not get in eyes, on skin and clothing All hazard precautions given in the data sheet must be observed.

Conditions for safe storage, including any incompatibilities:

Safe storage conditions:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Avoid contact with incompatible materials. Store in a tightly closed container Keep away from heat, sparks, and flame For maximum product quality, avoid prolonged storage at temperatures above 75 °F (25 °C).
Materials to Avoid/Chemical Incompatibility:	Peroxides, Strong acids, Strong oxidizing agents, Polymerization catalysts

8. Exposure controls/personal protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available:

Chemical component	OSHA PEL	ACGIH TLV	ACGIH STEL	IDLH
Talc	20 mppcf	2 mg/m3	No data available	1000 mg/m3 IDLH (containing no asbestos and <1% quartz)
Styrene	100 ppm	20 ppm	40 ppm STEL; 170 mg/m3 STEL	700 ppm IDLH
Titanium dioxide	15 mg/m3	10 mg/m3	No data available	5000 mg/m3 IDLH

Appropriate engineering controls: No exposure limits exist for the constituents of this product. Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.

Individual protection measures, such as personal protective equipment:

Respiratory Protection: Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. Use a NIOSH approved respirator designed to remove particulate matter and organic solvent vapors.

Eye protection: Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses. Splash proof chemical goggles are recommended to protect against the splash of product.

Skin protection: Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene and wear a barrier cream and/or impervious surgical style gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. To prevent repeated or prolonged skin contact, wear impervious clothing and boots Gloves should be made of neoprene or natural rubber. Protective gloves and proper clothing should be worn to prevent skin contact.

Gloves: Protective gloves are recommended when prolonged skin contact cannot be avoided.

Other protective equipment: To prevent repeated or prolonged skin contact, wear impervious clothing and boots Gloves should be made of neoprene or natural rubber. Protective gloves and proper clothing should be worn to prevent skin contact. Splash proof chemical goggles are recommended to protect against the splash of product.

General hygiene conditions: Keep out of the reach of children. Keep container closed when not in use. Do not take internally. Avoid contact with material, avoid breathing dusts or fumes, use only in a well ventilated area. Use with adequate ventilation Wash hands before eating Do not get in eyes, on skin and clothing All hazard precautions given in the data sheet must be observed.

9. Physical and chemical properties

Appearance (physical state, color etc.):

Physical state: Paste

Color:	White
Odor:	Aromatic
Odor Threshold:	No data available
pH:	Neutral
Melting point/freezing point (°C):	
Melting Point (°C):	No data available
Freezing point (°C):	No data available
Initial boiling point and boiling range (°C):	145
Flash Point (°C):	34
Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	
Upper flammability or explosive limits:	6.1
Lower flammability or explosive limits:	1.1
Vapor pressure:	No data available
Vapor density:	Heavier than air. Vapors that evolve from this product will tend to settle and accumulate near the floor.
Relative density:	1.78
Solubility(ies):	Insoluble
Partition coefficient: n-octanol/water:	1.36
Auto-ignition temperature (°C):	No data available
Decomposition temperature (°C):	No data available
Viscosity:	256,650 - 283,200
Volatile Organic Chemicals:	15 - 20%
VOC (as applied*- 2% by wt hardener- less exempts and water):	0.77 lbs/gal or 92 g/L
Percent Solids by weight – as packaged (%):	84.7
Percent Solids by weight – as applied* - 2% by wt hardener (%):	94.6
VHAP Content by weight – as packaged (%):	15.3
VHAP Content by weight – as applied* -	5.4

2% by weight hardener (%):	
Bulk density:	14.9

10. Stability and reactivity

Reactivity:	Not expected to be reactive
Chemical stability:	Stable under normal handling conditions
Possibility of hazardous reactions:	None expected under standard conditions of storage
Conditions to avoid (e.g., static discharge, shock, or vibration):	Contamination
Incompatible materials:	Peroxides, Strong acids, Strong oxidizing agents, Polymerization catalysts
Hazardous decomposition products:	Carbon dioxide, Carbon monoxide, Styrene oxide, Hydrocarbons

11. Toxicological information

Description of the various toxicological (health) effects and the available data used to identify those effects:

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	Absorption, Eye contact, Skin contact, Ingestion
Symptoms related to the physical, chemical and toxicological characteristics:	May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure

Delayed and immediate effects and also chronic effects from short- and long-term exposure:

Ingestion Toxicity:	Harmful if swallowed. May cause systemic poisoning.
Skin Contact:	Can cause minor skin irritation, defatting, and dermatitis. Symptoms may include redness, burning, drying and cracking of skin, and skin burns No absorption hazard in normal industrial use.
Inhalation Toxicity:	Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache. Harmful! Can cause systemic damage (see "Target Organs)
Eye Contact:	Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Sensitization:	May cause an allergic skin reaction
Mutagenicity:	No data
Reproductive and Developmental Toxicity:	Classification has been based on toxicological information of the components in Section 3.

Carcinogenicity: The International Agency for Research on Cancer (IARC) has classified styrene as a group 2B carcinogen (possibly carcinogenic to humans).

STOT-single exposure: Classification has been based on toxicological information of the components in Section 3.

STOT-repeated exposure: Classification has been based on toxicological information of the components in Section 3.

Aspiration hazard: Classification has been based on toxicological information of the components in Section 3.

Numerical measures of toxicity (such as acute toxicity estimates):

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Styrene	No data available	No data available	INHALATION LC50-4H Rat 11.7 MG/L
Titanium dioxide	ORAL LD50 Rat > 10000 mg/kg	No data available	No data available
Tetrahydrophthalic anhydride	ORAL LD50 Rat 5410 mg/kg	No data available	No data available
Silica, amorphous	No data available	DERMAL LD50 Rabbit > 2000 mg/kg	No data available

Is the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA:

Chemical Name	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen
Titanium dioxide	Y	Y	N
Styrene	Y	Y	Y
Talc	N	Y	N

12. Ecological information

Ecotoxicity (aquatic and terrestrial, where available): Styrene is toxic to aquatic organisms and should not be released to sewage, draining systems or any body of water exceeding concentrations of approved limits under applicable regulations and permits.

Very toxic to aquatic life

Ecological Toxicity Data:

Chemical Name	CAS #	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
Talc	14807-96-6	No data available	No data available	96 HR LC50 BRACHYDANIO RERIO > 100 G/L [SEMI-STATIC]

Styrene	100-42-5	48 HR EC50 DAPHNIA MAGNA 3.3 - 7.4 MG/L	96 HR EC50 PSEUDOKIRCHNERIELLA SUBCAPITATA 0.15 - 3.2 MG/L [STATIC] 72 HR EC50 PSEUDOKIRCHNERIELLA SUBCAPITATA 0.46 - 4.3 MG/L [STATIC] 96 HR EC50 PSEUDOKIRCHNERIELLA SUBCAPITATA 0.72 MG/L 72 HR EC50 PSEUDOKIRCHNERIELLA SUBCAPITATA 1.4 MG/L	96 HR LC50 POECILIA RETICULATA 58.75 - 95.32 MG/L [STATIC] 96 HR LC50 PIMEPHALES PROMELAS 6.75 - 14.5 MG/L [STATIC] 96 HR LC50 LEPOMIS MACROCHIRUS 19.03 - 33.53 MG/L [STATIC] 96 HR LC50 PIMEPHALES PROMELAS 3.24 - 4.99 MG/L [FLOW-THROUGH]

Persistence and degradability: No data

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects (such as hazardous to the ozone layer): No data available

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging: Spent or discarded material is a hazardous waste.

Waste codes / waste designations: D001

14. Transport information

Carriage of dangerous goods by road (DOT), rail or inland waterways:

UN number: UN3269

UN Proper shipping name: POLYESTER RESIN KIT

Transport hazard class(es):	3
Packing group, if applicable:	III
DOT Basic description:	No data available
International carriage of dangerous goods by sea (IMDG/IMO):	
UN number:	UN3269
UN Proper shipping name:	POLYESTER RESIN KIT
Transport hazard class(es):	3
Packing group, if applicable:	III
International carriage of dangerous goods by air (IATA):	
UN number:	UN3269
UN Proper shipping name:	POLYESTER RESIN KIT
Transport hazard class(es):	3
Packing group, if applicable:	III
Environmental hazards (e.g., Marine pollutant (Yes/No)):	Yes
Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):	No data available
Special precautions which a user needs to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises:	No data available

15. Regulatory information

Safety, health and environmental regulations specific for the product in question:

TSCA Status: The intentional ingredients of this product are listed.

Regulated Components:

Chemical Name	CAS #	CERCLA	Sara EHS	Sara 313	U.S. HAP
Talc	14807-96-6	N	N	N	N
Polyester Resin	Proprietary	N	N	N	N
Magnesite	546-93-0	N	N	N	N
Styrene	100-42-5	Y	N	Y	Y
Titanium dioxide	13463-67-7	N	N	N	N
Chlorite	1318-59-8	N	N	N	N
Dolomite	16389-88-1	N	N	N	N

Chemical Name	CAS #	California Prop 65 - Cancer	California Prop 65 - Dev. Toxicity	California Prop 65 - Reprod fem	California Prop 65 - Reprod male
Talc	14807-96-6	N	N	N	N
Polyester Resin	Proprietary	N	N	N	N
Magnesite	546-93-0	N	N	N	N
Styrene	100-42-5	Y	N	N	N
Titanium dioxide	13463-67-7	Y	N	N	N
Chlorite	1318-59-8	N	N	N	N
Dolomite	16389-88-1	N	N	N	N

Chemical Name	CAS #	Massachusetts RTK List	New Jersey RTK List	Pennsylvania RTK List	Rhode Island RTK List	Minnesota Hazardous Substance List
Talc	14807-96-6	N	Y	Y	N	Y
Polyester Resin	Proprietary	N	N	N	N	N
Magnesite	546-93-0	N	N	N	N	Y
Styrene	100-42-5	N	Y	Y	N	Y
Titanium dioxide	13463-67-7	N	Y	Y	N	Y
Chlorite	1318-59-8	N	N	N	N	N
Dolomite	16389-88-1	N	N	N	N	N

16. Other information, including date of preparation or last revision.

SDS Prepared by: HAZOX

Revision Date: 06-20-2017

Revision Number: 9

Reason for revision: Activated by Document Formulation Generation

References: No data available

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