

SAFETY DATA SHEET

Date Issued : 09/18/2019

SDS No : PS 100EX A

PolySpec 100EX - Side A

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PolySpec 100EX - Side A

MANUFACTURER

Holcim Solutions and Products US, LLC
26 Century Boulevard, Suite 205
Nashville, Tennessee 37214
1-800-878-7876 •www.polyspec.com

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation): (800) 424-9300
International: (703) 527-3887

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Dermal), Category 4
Acute Toxicity (Inhalation), Category 4
Skin Corrosion, Category 2
Serious Eye Damage, Category 2
Skin Sensitization, Category 1

Environmental:

Acute Hazards to the Aquatic Environment, Category 3
Chronic Hazards to the Aquatic Environment, Category 2

GHS LABEL



Exclamation
mark Environment

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H312: Harmful in contact with skin.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H402: Harmful to aquatic life.
H411: Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

Prevention:

P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash ... thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

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Response:

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P362+P364: Take off contaminated clothing and wash it before reuse.
 P391: Collect spillage.

Storage:

P403+P235: Store in a well-ventilated place. Keep cool.

Disposal:

5207XY7K: Dispose of contents/container according to local, regional, national, and international regulations.

HAZARDS NOT OTHERWISE CLASSIFIED: None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Bisphenol A/epichlorohydrin Resin	30 - 60	25068-38-6
p-Chlorobenzotrifluoride	1 - 3	98-56-6

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of tempered water (at least 15-20 minutes) lifting upper and lower eye lids occasionally. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention immediately.

SKIN: Remove contaminated clothing. Wash the affected area immediately with large amounts of soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash clothing before reuse.

INGESTION: Rinse mouth. Get medical advice/attention if symptoms occur or you feel unwell.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Severe eye irritation - symptoms include stinging, tearing, redness, swelling, and blurred vision.

SKIN: May cause skin irritation; redness, pain, allergic skin reaction, dermatitis, rash.

ADDITIONAL INFORMATION: Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to the affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this SDS to the doctor in attendance.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Class IIIB

GENERAL HAZARD: Combustible Liquid. Heating may cause a fire.

EXTINGUISHING MEDIA: Water Fog, Foam, Dry Chemical Powder, Carbon Dioxide (CO2).

FIRE FIGHTING PROCEDURES: Use standard firefighting procedures and consider the hazards of other involved materials.

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do without risk. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire.

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FIRE FIGHTING EQUIPMENT: As in any fire, wear Self-Contained Breathing Apparatus (SCBA) MSHA/NIOSH approved or equivalent and full protective clothing.

HAZARDOUS DECOMPOSITION PRODUCTS: During fire, gases hazardous to health may be formed

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on absorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal. Only those persons who are adequately trained, authorized, and wearing the appropriate personal protective equipment (PPE) should participate in spill response and clean-up.

LARGE SPILL: Keep spectators away. Only those persons who are adequately trained, authorized and wearing the required personal protective equipment (PPE) should participate in spill response and clean-up. Know and prepare for spill response before using or handling this product. Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered and labeled containers for disposal. Use appropriate PPE. Place absorbent diking materials in covered containers for disposal. Prevent contamination of sewers, streams, and groundwater with spilled material or used absorbent.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid run-off into storm drains, ditches and waterways.

RELEASE NOTES: Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: For professional or industrial use only. Follow label instructions. Keep out of the reach of children. Not for consumption. No smoking. Do not breathe vapors. Avoid contact with body. Empty containers must not be washed and re-used for any purpose. Contact lens wearers must wear protective eye wear around chemical vapors and liquid. Wash hands thoroughly after handling. To prevent build-up of vapors, use adequate natural and/or mechanical ventilation (e.g. open all windows and doors to achieve cross ventilation).

STORAGE: Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	EXPOSURE LIMITS			
	Type		ppm	mg/m ³
Bisphenol A/epichlorohydrin Resin	OSHA PEL	STEL	NL [1]	NL [1]
p-Chlorobenzotrifluoride	OSHA PEL	TWA	NL [1]	NL [1]
		STEL	NL [1]	NL [1]
	ACGIH TLV	TWA	NL [1]	NL [1]
		STEL	NL [1]	NL [1]

Footnotes:

1. NL = Not Listed

ENGINEERING CONTROLS: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls

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to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields, goggles or full-face shield as required by 29 CFR 1910.133 - OSHA Eye and Face Protection Standard. A suitable emergency eye wash station and safety shower should be located near the work station.

SKIN: Wear chemical resistant, impervious gloves.

RESPIRATORY: Chemical respirator with organic vapor cartridge and full facepiece.

PROTECTIVE CLOTHING: Chemical resistant gloves and normal work clothing (long sleeved shirt and long pants).

WORK HYGIENIC PRACTICES: Use good hygiene practices when handling this material. Wash hands thoroughly after use before eating, drinking and/or smoking. When using do not smoke. Routinely wash work clothing and protective equipment to remove contamination. Contaminated work clothing should not be allowed out of the workplace.

OTHER USE PRECAUTIONS: Wear appropriate thermal protective clothing, when necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Slight

COLOR: Amber

pH: Not Available

FLASH POINT AND METHOD: > 176.7°C (350°F) Pensky-Martens CC

FLAMMABLE LIMITS: Not Available to Not Available

AUTOIGNITION TEMPERATURE: Not Available

VAPOR PRESSURE: Not Available

VAPOR DENSITY: Not Available

BOILING POINT: Not Available

FREEZING POINT: Not Available

MELTING POINT: Not Available

THERMAL DECOMPOSITION: Not Available

DENSITY: 9.36 lbs/gal

SPECIFIC GRAVITY: 1.14

VISCOSITY: Not Available

(VOC): < 25 gr/L

Notes: Mixed Components

10. STABILITY AND REACTIVITY

REACTIVITY: Product is stable and non-reactive under normal conditions of use, storage and transport

HAZARDOUS POLYMERIZATION: Product will not undergo polymerization.

STABILITY: Stable under normal storage and application conditions.

CONDITIONS TO AVOID: Contact with incompatible materials

POSSIBILITY OF HAZARDOUS REACTIONS: None

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition will not occur if handled and stored properly.

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

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11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD ₅₀	DERMAL LD ₅₀	INHALATION LC ₅₀
Bisphenol A/epichlorohydrin Resin	1 3600 mg/kg (rats)	No data	No data
p-Chlorobenzotrifluoride	> 6800 mg/kg	> 2700 mg/kg	4479 ppm (4-hr dose)

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

SKIN CORROSION/IRRITATION: Causes skin irritation

SERIOUS EYE DAMAGE/IRRITATION: Causes serious eye damage

RESPIRATORY OR SKIN SENSITISATION: May cause an allergic skin reaction.

GERM CELL MUTAGENICITY: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic

CARCINOGENICITY

NOTES: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

REPRODUCTIVE TOXICITY: This product is not expected to cause reproductive or developmental effects.

STOT-SINGLE EXPOSURE: Not classified.

STOT-REPEATED EXPOSURE: Not classified.

ASPIRATION HAZARD: Not an aspiration hazard.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: This product contains components that may be harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment.

ECOTOXICOLOGICAL INFORMATION: Toxic to aquatic life with long lasting effects.

COMMENTS: This product contains volatile organic compounds which have a photochemical ozone creation potential.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Consult with your state and local hazardous waste requirements or guidelines to ensure compliance. Arrange disposal in accordance with EPA, state and local requirements.

EMPTY CONTAINER: Since empties containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not regulated as dangerous goods.

AIR (ICAO/IATA)

SHIPPING NAME: Environmentally Hazardous Substances, Liquids, N.O.S. (Bishenol A/Epichlorohydrin Resin, Oxirane, Mono[(c12-14-alkyloxy)methyl] Derivatives [alkyl (c12-14) Glycidyl Ether]

UN/NA NUMBER: 3082

PRIMARY HAZARD CLASS/DIVISION: 9

PACKING GROUP: III

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ERG: 9L

NOTE: Read safety instructions, SDS and emergency procedures before handling.**VESSEL (IMO/IMDG)****SHIPPING NAME:** Environmentally Hazardous Substances, Liquids, n.o.s. (Bishenol A/Epichlorohydrin Resin, Oxirane, Mono[(c12-14-alkyloxy)methyl] Derivatives [alkyl (c12-14) Glycidyl Ether]) (Epoxy Resin, BYK 310)**UN/NA NUMBER:** 3082**PRIMARY HAZARD CLASS/DIVISION:** 9**PACKING GROUP:** III**EmS:** F-A, S-F**MARINE POLLUTANT #1:** No**NOTE:** Read safety instructions, SDS and emergency procedures before handling.

15. REGULATORY INFORMATION

UNITED STATES**DOT LABEL SYMBOL AND HAZARD CLASSIFICATION**

Class 9

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Bisphenol A/epichlorohydrin Resin	25068-38-6
p-Chlorobenzotrifluoride	98-56-6

CLEAN AIR ACT**40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION:** Not Regulated**CLEAN AIR ACT (HAZARDOUS AIR POLLUTANTS):** Not Regulated**STATES WITH SPECIAL REQUIREMENTS**

Chemical Name	Requirements
Bisphenol A/epichlorohydrin Resin	New Jersey Right to Know List Pennsylvania Right to Know List
p-Chlorobenzotrifluoride	New Jersey Right to Know List Pennsylvania Right to Know List

CALIFORNIA PROPOSITION 65

Chemical Name	Wt.%	Listed
p-Chlorobenzotrifluoride	1 - 3	● Cancer

SDWA (SAFE DRINKING WATER ACT): Not Regulated

16. OTHER INFORMATION

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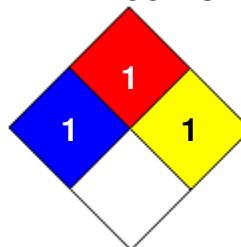
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INFORMATION CONTACT: (281) 397-0033**HMIS RATING**

HEALTH	<input type="checkbox"/>	1
FLAMMABILITY		1
PHYSICAL HAZARD		1
PERSONAL PROTECTION		B

NFPA CODES

MANUFACTURER DISCLAIMER: This document may be used to comply with OSHA's Hazardous Communication Standard, 29 CFR 1910.1200.

To the best of our knowledge, the information contained in this SDS is accurate. It is intended to assist the user in his/her evaluation of the product's hazards and safety precautions to be taken in its use. The data in this SDS relate only to the specific material designated herein. We do not assume liability for the use of, or reliance on this information, nor do we guarantee its accuracy or completeness.

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