

SAFETY DATA SHEET

Date Issued : 09/19/2019

SDS No : PS 100EX B

PolySpec 100EX - Side B

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PolySpec 100EX - Side B

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

Environmental:

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

GHS LABEL



Corrosion



Exclamation
mark

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H332: Harmful if inhaled.
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.
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.
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P312: Call a POISON CENTER/doctor/...if you feel unwell.
 P362+P364: Take off contaminated clothing and wash it before reuse.

Storage:

P405: Store locked up.

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
Benzyl Alcohol	5 - 10	100-51-6
2-piperazin-1-ylethylamine	1 - 5	140-31-8
2,2'-iminodiethylamine	1 - 5	111-40-0
Ethylenediamine	1 - 5	107-15-3
3-aminomethyl-3,5,5-trimethylcyclohexylamine	1 - 5	2855-13-2
Phenol	1 - 5	108-95-2

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. Chemical burns must be treated by a physician. Get medical attention if irritations develops or persists. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash clothing before reuse.

INGESTION: Call a physician or poison control center immediately. Rinse mouth. Do NOT induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

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. Permanent eye damage including blindness could result.

SKIN: Burning pain and severe corrosive skin damage.

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.

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5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Class IIIB

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

EXTINGUISHING MEDIA: Water Fog, Alcohol Resistant Foam, Dry Chemical Powder, Carbon Dioxide

Do not use water jet as an extinguisher, as this will spread the fire

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.

FIRE FIGHTING EQUIPMENT: As in any fire, wear Self-Contained Breathing Apparatus (SCBA) MSHA/NIOSH approved or equivalent and full protective clothing. Move containers from fire area if you can do so without risk.

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. Turn off all pilot lights, flames, stoves, heaters, electric motors, welding equipment and other sources of ignition. 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. Use only outdoors or in a well ventilated area. To prevent build-up of vapors, use adequate natural and/or mechanical ventilation (e.g. open all windows and doors to achieve cross ventilation). Vapors may be heavier than air and will collect in low areas. Containers may be hazardous when empty.

STORAGE: Store locked up. Keep only in original container. Store in a well ventilated place. Store away from other materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	EXPOSURE LIMITS			
	Type		ppm	mg/m ³
Benzyl Alcohol	OSHA PEL	TWA	10 ppm	44.2 mg/m ³
2-piperazin-1-ylethylamine	OSHA PEL	TWA	NL [1]	NL [1]
2,2'-iminodiethylamine	OSHA PEL	TWA	NL [1]	NL [1]
		STEL	NL [1]	NL [1]
	ACGIH TLV	TWA	1 ppm [1]	NL [1]
		STEL	NL [1]	NL [1]
Ethylenediamine	OSHA PEL	TWA	10	25
	ACGIH TLV	TWA	10	25
3-aminomethyl-3,5,5-trimethylcyclohexylamine	OSHA PEL	TWA	NL [1]	NL [1]
Phenol	OSHA PEL	TWA	5 ppm [2]	19 mg/m ³ [2]
	ACGIH TLV	TWA	5 ppm	19 mg/m ³
Footnotes:				
1. NL = Not Listed				
2. S = Skin				

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 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.

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: 98.9°C (210°F) Pensky-Martens CC

FLAMMABLE LIMITS: Not Available to Not Available

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VAPOR PRESSURE: Not Available**VAPOR DENSITY:** Not Available**BOILING POINT:** Not Available**FREEZING POINT:** Not Available**MELTING POINT:** Not Available**DENSITY:** 8.28**SPECIFIC GRAVITY:** 0.99**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:** Avoid heat, flames, sparks, and other sources of ignition. 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.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD ₅₀	DERMAL LD ₅₀	INHALATION LC ₅₀
Benzyl Alcohol	1230 mg/kg	No data	No data
2-piperazin-1-ylethylamine	2097 mg/kg (rats)	No data	No data
2,2'-iminodiethylamine	1080 mg/kg (rats)	1090 mg/kg (rabbits)	0.3 mg/L (4-hr dose)
Ethylenediamine	1200 mg/kg (rats)	560 mg/kg (rabbits)	14.7 mg/L (4-hr dose)
3-aminomethyl-3,5,5-trimethylcyclohexylamine	No data	No data	No data
Phenol	410 to 650 mg/kg (rats)	No data	No data

NOTES: Harmful if inhaled. Harmful in contact with skin. Harmful if swallowed.**SKIN CORROSION/IRRITATION:** Causes severe skin burns. Harmful in contact with skin. May cause an allergic skin reaction.**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

Chemical Name	IARC Status
Phenol	3

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

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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.

BIOACCUMULATION/ACCUMULATION: Partition coefficient n-octanol/water (log Kow)

Butyl Alcohol 1.10

Ethylenediamine -2.04

Phenol 1.46

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: Paint

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: 3066

PACKING GROUP: III

LABEL: Corrosive

MARINE POLLUTANT #1: Yes

OTHER SHIPPING INFORMATION: Read safety instructions, SDS and emergency procedures before handling

AIR (ICAO/IATA)

SHIPPING NAME: Paint

UN/NA NUMBER: 3066

PRIMARY HAZARD CLASS/DIVISION: 8

PACKING GROUP: III

NOTE: Read safety instructions, SDS and emergency procedures before handling.

VESSEL (IMO/IMDG)

SHIPPING NAME: Paint, MARINE POLLUTANT

UN/NA NUMBER: 3066

PRIMARY HAZARD CLASS/DIVISION: 8

PACKING GROUP: III

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EmS: NA

MARINE POLLUTANT #1: Yes

NOTE: Read safety instructions, SDS and emergency procedures before handling.

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Corrosive

Marine
Pollutant

IMDG Regulated Marine Pollutant

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Phenol	1 - 5	108-95-2

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
Ethylenediamine	1 - 5	5,000
Phenol	1 - 5	1,000 lbs.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Benzyl Alcohol	100-51-6
2-piperazin-1-ylethylamine	140-31-8
2,2'-iminodiethylamine	111-40-0
Ethylenediamine	107-15-3
3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2
Phenol	108-95-2

CLEAN AIR ACT

Chemical Name	Wt.%	CAS
Ethylenediamine	1 - 5	107-15-3

40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION: Not Regulated

CLEAN AIR ACT (HAZARDOUS AIR POLLUTANTS): Not Regulated

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STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
2,2'-iminodiethylamine	Massachusetts Right to Know List Pennsylvania Right to Know List New Jersey Right to Know List

SDWA (SAFE DRINKING WATER ACT): Not Regulated

16. OTHER INFORMATION

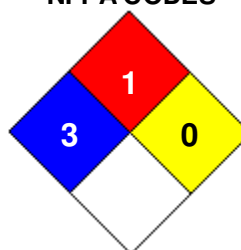
Date Prepared: 09/19/2019

INFORMATION CONTACT: (281) 397-0033

HMIS RATING

HEALTH	*	3
FLAMMABILITY		1
PHYSICAL HAZARD		0
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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