

POLOPLAZ ENDURE PART B

SDS: 3/11/19

Replaces: NA

1.0 Identification

1.1 Product Identifier

Product Name: Poloplaz Endure Part B

Application of the substance/the preparation: Waterborne crosslinker

1.2 Relevant identified uses of the substance or mixture: Finishes, Coatings and Related Materials:
For Professional Use Only.

1.3 Supplier:

Poloplaz

1 Paradise Park Road

Jacksonville, AR 72076

Telephone: (501) 985-1172

www.poloplaz.com

1.4 Emergency contact:

Infotrac #: 1-800-535-5053

2.0 Hazards Identification

GHS Classification:

Serious eye damage/eye irritation	Category 1
Skin corrosion	Category2
Skin sensitization	Category 1

GHS Label element

Hazard Pictograms:



Signal Word: Danger

Hazard Statements:

H302: Harmful if swallowed

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H319: Causes serious eye irritation

Precautionary Statements

Prevention:

P102: Keep out of reach of children

P103: Read label before use

P201: Obtain special instructions before use

P202: Do not handle until all safety precautions have been read and understood

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P261: Avoid breathing dust/fume/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.

P280: Wear protective gloves/protective clothing/eye protection/face protection

Response:

P308 + P313 IF exposed or concerned: Get medical advice/attention

P301 + P330 + P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting

P305 + P313 +P337 + P338 + P 351 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

P302 + P352: IF ON SKIN: Wash with soap and water.

P332 + P313: If skin irritation occurs; Get medical advice/attention

P362: Take off contaminated clothing and wash before reuse.

P304 + P 340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P312: Call a POISON CENTER/doctor/if you feel unwell

Storage:

P403 + P233: Store in a well-ventilated place. Keep container tightly closed

P405: Store locked up

Disposal:

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3. Composition/information on ingredients:

Poly(oxy(methyl-1,2-ethanediyl)), alpha, -2 aminomethylethyl), omega-(2-aminomethylethoxy)-, CAS 9046-10-0, % wt, 1-7%

Tetraethylenepentamine, CAS 112-57-2, % wt, 1-5%

Polyamine polymer, CAS Not Available, % wt, 40-70%

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First Aid Measures:

Eye Contact

Move individual away from exposure. Immediately flush eyes with large quantities of clean water for at least 15 minutes. Get immediate medical attention.

Skin Contact

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Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops or persists.

Inhalation

Remove victim to fresh air. Keep warm and quiet. If not breathing, give artificial respiration. If breathing is difficult, give oxygen by trained personnel. GET IMMEDIATE MEDICAL ATTENTION.

Ingestion (Swallowed)

Do not induce vomiting. Potential for aspiration if swallowed. Never give anything by mouth to an unconscious person. GET IMMEDIATE MEDICAL ATTENTION.

Most important symptoms and effects, both acute and delayed.

Most important Symptoms and Effects Irritating to eyes, respiratory system and skin. Drowsiness.

Indication of any immediate medical attention and special treatment needed.

Notes to Physician Treat symptomatically

5. Fire-Fighting Measures

Suitable Extinguishing Media

Carbon dioxide (CO₂), foam, dry chemical, water spray. Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Hazardous combustion products: Carbon monoxide, Carbon dioxide (CO₂),
Nitrogen Oxides (NO_x)

Combustion/Explosion Hazards:

This material will not burn unless it is evaporated to dryness. Closed containers may rupture when exposed to extreme heat. Air oxidation of this product may cause it to spontaneously combust. To avoid spontaneous combustion, prevent residue buildup and soak soiled rags, spray-booth filter and over-spray in a closed water-filled metal container.

Protective equipment and precautions for firefighters:

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Wear self contained breathing apparatus (SCBA) and full fire fighting protective clothing. Thoroughly decontaminate all protective equipment after use. Evacuate all persons from the fire area to a safe location. Move non-burning material, as feasible to a safe location as soon as possible. Fire fighters should be protected from potential explosion hazard while extinguishing the blaze. Use water spray to cool fire-exposed containers.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures.

Personal precautions: Evacuate personnel to safe areas. Use person protective equipment as required. Ensure adequate ventilation. Keep people away from and upwind of spill/leak.

Environmental precautions: Prevent further leakage or spillage, if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Methods and material for containment and clean up:

Methods for containment: Prevent spills from 1) contaminating soil, 2) entering sanitary sewers, and drainage systems, and 3) entering bodies of water or ditches that lead to waterways. Prevent spreading over a wide area (e.g. by containment or oil barriers).

Methods for clean-up: Soak with inter absorbent material (e.g., sand, silica gel, acid binder, universal binder, sawdust)

7. Handling and storage

Precautions for safe handling

Handling. Avoid breathing vapors or mists. Avoid contact with eyes, skin and clothing. Take off contaminated clothing and wash before reuse. Wash hands before breaks and immediately after handling the product. Ensure adequate ventilation.

Conditions for safe storage, including any incompatibilities.

Storage: Keep from freezing. Keep containers tightly closed in a dry, cool and well-ventilated place.

8. Exposure controls/Personal Protection

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CAS-No	Components	Value type (Form of Exposure)	Control parameters/ Permissible concentration	Basis
	Tetraethylenepentamine	TWA	1 ppm (5 mg/m3)	WEEL

Appropriate Engineering Controls

Engineering controls: Use general ventilation to maintain airborne concentration to levels that are below regulatory and recommended occupational exposure limits. Good general ventilation should be sufficient to control airborne levels of irritating vapors. Local ventilation may be required during certain operations.

Individual protection measures, such as personal protective equipment.

Eye/face protection: Safety glasses with side-shield. If splashes are likely to occur-tightly sealed safety goggles. Ensure that eyewash stations and safety showers are close to the workstation location.

Skin Protection: Gloves made of butyl rubber. Please observe the instructions regarding permeability and breakthrough time which are proved by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Chemical resistant apron, boots.

Respiratory protection: None required if hazards have been assessed and airborne concentrations are maintained below the exposure limits listed in Section 8. Wear an approved air-purifying respirator with organic vapor cartridges where airborne concentrations may exceed exposure limits in Section 8. Use an approved positive-pressure air-supplied respirator with emergency escape provisions if there is any potential from an uncontrolled release, airborne concentrations are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

General hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Appearance	yellowish
Odor	mild amine
Odor Threshold	No information available
Physical state	liquid

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pH	8.5-9.5
Flashpoint	> 93 °C
Autoignition Temperature	No information available
Boiling range	100-202 °C
Melting point/freezing point	No information available
Flammability Limit in Air	
Lower	No information available
Upper	No information available
Specific Gravity	1.04
Solubility	Dispersible in water
Evaporation Rate	< 1 (BuAC =1)
Vapor Pressure	17.5 mm Hg @ 20 °C
Vapor Density	> 1 (Air =1)
Percent Volatile	65
VOC content	NA (A + B < 100 g/l)
Viscosity	120-220 cps
Partition Coefficient (n-octanol/water)	No information available
Decomposition Temperature	No information available.

10. Stability and Reactivity

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: Hazardous Polymerization does not occur.

Conditions to Avoid

Freezing temperatures, Contamination by those materials referred to under incompatible materials.

Incompatible materials: Strong acids. Strong bases. Strong oxidizing agents. Reducing agents.

Hazardous Decomposition Products: Carbon monoxide. Carbon dioxide (CO₂) Hydrocarbons, Nitrogen oxides (NO_x)

11. Toxicological Information

Information on likely routes of exposure

Primary Routes of Entry: Skin contact, ingestion, inhalation, eye contact, skin absorption

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Acute toxicity

Oral LD50: > 2,000 mg/kg (rat)

Inhalation: No data is available on the product itself.

Dermal LD50: > 2,000 mg/kg (rat). No deaths observed

Information on toxicological effects

Symptoms: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Delayed and immediate effects as well as chronic effect from short and long-term exposure.

Eyes: Causes serious eye irritation.

Skin: Mild skin irritant. Repeated exposure may cause skin dryness or cracking. Harmful by skin absorption.

Inhalation: Inhalation of vapors in high concentration may cause irritation of respiratory system. Inhalation of high vapor concentrations can cause CNS-depression and narcosis.

Ingestion: Ingestion (swallowing) may irritate the mouth, throat and stomach. Ingestion is not an anticipated route of exposure for this material in industrial use.

Irritation: Irritating to eyes, respiratory system and skin.

Sensitization: May cause sensitization by skin contact. Causes sensitization on guinea-pigs.

Sensitization has occurred in laboratory animals after repeated exposures. LLNA test results showed that this product at a concentration of < 10% wt did not have sufficient potential (SI < 3) to cause sensitization.

Carcinogenicity: No data is available on this product.

Target Organs: No data available

12. Ecological Information:

EC 50 (Daphnia magna): > 10 mg/l, 24h

EC 50 (Daphnia magna): > 10 mg/l, 48h

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Do not empty into drains; dispose of this material its container in a safe way. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

13. Disposal Considerations

Disposal methods

Disposal Considerations: NOT A RCRA HAZARDOUS WASTE. When discarded in its purchased form, this material would not be regulated as a RCRA Hazardous waste under 40 CFR 261.

Contaminated packaging:

- Empty remaining contents.
- Do not re-use empty containers.
- Do not burn, or use a cutting torch on, the empty container.
- Empty containers should be taken for local recycling, recovery or waste disposal.

14. Transport Information

DOT: Not regulated

Canada (TDG): Not Regulated.

IATA: Not Regulated

IMDG: Not Regulated

15. Regulatory information

International Inventories

TSCA: United States: Yes-All components are listed or exempt

DSL: Canada Yes-All components are listed or exempt

Federal Regulations

SARA 312 categorization

Acute Health Hazard Yes

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SARA313: This material does not contain a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 CFR, Part 372:

California Proposition 65: This product does not contain a chemical know to the state of California to cause cancer or reproductive harm.

16. Other information

NFPA: Health: 2 Flammability: 1 Reactivity: 0

We recommend containers be either professionally reconditioned for reuse by certified firms or properly disposed of by certified firms to help reduce the possibility of an accident. Disposal of containers should be in accordance with applicable Federal, State, and Local laws and regulations. Empty drums should not be given to individuals.

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