

Section 1. Product and Company Identification

Product Name Polyazelaic Polyanhydride
CAS Number 26776-28-3

Parchem - fine & specialty chemicals

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EMERGENCY RESPONSE NUMBER
CHEMTEL

Toll Free US & Canada: 1 (800) 255-3924

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Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

Skin Irrit. 2; H315: Causes skin irritation.

Eye Irrit. 2; H319: Causes serious eye irritation.

STOT SE 3; H335: May cause respiratory irritation.

GHS Label Elements

Pictograms:



Signal word: WARNING

Hazard and precautionary statements

Hazard Statements

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation

Precautionary Statements

Prevention

P261: Avoid breathing dust /fume/gas/mist/vapors/spray.

P264: Wash thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

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

Response

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P304+312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.



P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P321: Specific treatment (see information on this label).

P332+313 If skin irritation occurs: Get medical advice/attention.

P337+313 If eye irritation persists: Get medical advice/attention.

P340: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P362: Take off contaminated clothing and wash before reuse.

Storage

P403+233: Store in a well ventilated place. Keep container tightly closed.

P405: Store locked up.

Disposal

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

Section 3. Composition / Information on Ingredients

Common Name Polyazelaic Polyanhydride
Synonym(s) Nonanedioic acid, homopolymer
Formula
CAS Number 26776-28-3

COMPONENT	CAS NUMBER	CONCENTRATION
Polyazelaic Polyanhydride	26776-28-3	100%

Section 4. First Aid Measures

General: In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eyes: Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

Ingestion: If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Overview: No specific symptom data available.

Inhalation: May cause respiratory irritation.

Eyes: Causes serious eye irritation.

Skin: Causes skin irritation.



Section 5. Firefighting Measures

Extinguishing media: Foam, Dry Chemical, Water, and Carbon Dioxide

Special hazards arising from the substance or mixture: Products of combustion are toxic. If water must be used, use a fog nozzle to avoid spread of burning liquid and increased evaporation of volatile, flammable material.

Hazardous decomposition: No hazardous decomposition data available.

Avoid breathing: Dust/fume/gas/mist/vapors/spray.

Advice for firefighters: Firefighting personnel must wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Put on appropriate personal protective equipment. Products of combustion are toxic. If water must be used, use a fog nozzle to avoid spread of burning liquid and increased evaporation of volatile, flammable material.

Environmental precautions: Do not allow spills to enter drains or waterways. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Methods and material for containment and cleaning up: Products of combustion are toxic. If water must be used, use a fog nozzle to avoid spread of burning liquid and increased evaporation of volatile, flammable material. Caution! If spilled, wet floors may become slippery. Wear appropriate protective gear and respiratory protection where dusts or airborne particulates of unknown concentrations may be generated (self-contained breathing apparatus preferred for large spills). Dispose of spillage and waste (product/packaging) in accordance with all applicable environmental laws. Do not allow to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately. Shovel spills into appropriate containers for recovery or disposal. Wet residue with water and absorb with inert material (sand, earth, etc.) and transfer into appropriate containers for recovery or disposal. Keep spill out of sewers and open bodies of water.

Section 7. Handling and Storage

Precautions for safe handling: Keep containers tightly closed until use.

Conditions for safe storage, including any incompatibilities: Follow all instructions on label. Handle containers carefully to prevent damage and spillage.



Incompatible materials: Incompatible with bases, oxidizing agents, and strong acids. This material hydrolyzes in water.

Section 8. Exposure Controls / Personal Protection

Exposure

OSHA: No established limit.

ACGIH: No established limit.

NIOSH: No established limit.

Supplier: No established limit.

Carcinogen Data

OSHA: No select carcinogen

NTP: None known or suspected

IARC: Group 1, group 2a, group 2b, group 3, and group 4; all no

Exposure controls

Respiratory: In processes where mists or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices. In the absence of proper environmental controls, a NIOSH/MSHA jointly approved respirator is advised.

Eyes: Wear chemical goggles where there is potential for eye contact. Use safety glasses with side shields under normal use conditions.

Skin Respiratory protection: in processes where dusts or airborne particulates may be generated, approved respirator is advised in the absence of proper environmental controls. To prevent skin contact, rubber or neoprene gloves are recommended. **Engineering Controls:** Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices: Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Section 9. Physical and Chemical Properties

Appearance: Waxy Solid

Odor: Unknown

Odor threshold: Not determined

pH: Acidic

Melting point / freezing point: 52 - 65°C

Initial boiling point and boiling range: 260°C (760 mmHg)

Flash Point (Open Cup): 302°C

Evaporation rate: (Ether = 1) < 1

Flammability (solid, gas): Not Applicable



Upper/lower flammability or explosive limits

Lower Explosive Limit: Not Measured

Upper Explosive Limit: Not Measured

Vapor pressure (Pa): Not Measured

Vapor Density: Not Measured

Specific Gravity: Not Measured

Solubility in Water: Insoluble (Hydrolyzes)

Partition coefficient n-octanol/water (Log Kow): Not Measured

Auto-ignition temperature: Not Measured

Decomposition temperature: Not Measured

Viscosity (cSt): Not Measured

Other information: No other relevant information.

Section 10. Stability and Reactivity

Reactivity: Hazardous Polymerization will not occur.

Chemical stability: Stable under normal circumstances.

Possibility of hazardous reactions: No data available.

Conditions to avoid: Avoid moisture and heat.

Incompatible materials: Incompatible with bases, oxidizing agents, and strong acids. This material hydrolyzes in water.

Hazardous decomposition products: No hazardous decomposition data available.

Section 11. Toxicological Information

Acute Toxicity

Oral LD50, mg/kg: No data available

Skin LD50, mg/kg: No data available

Inhalation Vapor LC50, mg/L/4hr: No data available

Inhalation Dust/Mist LC50, mg/L/4hr: No data available

Inhalation Gas LC50, ppm: No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Acute toxicity (oral): Not Applicable

Acute toxicity (dermal): Not Applicable

Acute toxicity (inhalation): Not Applicable

Skin corrosion/irritation: Category 2. Causes skin irritation.

Serious eye damage/irritation: Category 2. Causes serious eye irritation.

Respiratory sensitization: Not Applicable

Skin sensitization: Not Applicable



Germ cell mutagenicity: Not Applicable
Carcinogenicity: Not Applicable
Reproductive toxicity: Not Applicable
STOT-single exposure: Category 3. May cause respiratory irritation.
STOT-repeated exposure: Not Applicable
Aspiration hazard: Not Applicable

Section 12. Ecological Information

Toxicity: No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

96 hr LC50 fish, mg/l: Not available **48 hr EC50 crustacea, mg/l:** Not available **ErC50 algae, mg/l:** Not available

Persistence and degradability: There is no data available on the preparation itself.

Bioaccumulative potential: Not Measured

Mobility in soil: No data available.

Results of PBT and vPvB assessment: This product contains no PBT/vPvB chemicals.

Other adverse effects: No data available.

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

DOT (Domestic Surface Transportation): Not Regulated

IMO / IMDG (Ocean Transportation): Not Regulated

ICAO/IATA: Not Regulated

Environmental hazards

IMDG Marine Pollutant: No

Special precautions for user: No further information

Section 15. Regulatory Information

Regulatory Overview: The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.



Toxic Substance Control Act (TSCA): All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification: D2B

US EPA Tier II Hazards

Fire: No

Sudden Release of Pressure: No

Reactive: No

Immediate (Acute): Yes

Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs: To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous: To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals: To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Pennsylvania RTK Substances (>1%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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