

**1. Product and company Identification**

Product Name : PAS-H-10L
Synonyms : Polydiallylamine copolymer
Product Use : Coating
Supplier : GHEN MATERIALS LLC
Address : 234 10th Street Suite 516 , Jersey City, NJ 07302 USA
General Information : TEL 201-604-6231 FAX 201-604-6266
Emergency Contact Number : TEL 1-800-255-3924(CHEMTEL 24 hours for USA, Canada)

2. Hazardous identification**GHS Classification:**

Health	Environmental	Physical
	Aquatic Hazard - Acute 2	

GHS Label:

Symbols: No pictogram	
Hazard Statements DANGER! Toxic to aquatic life.	Precautionary Statements Avoid release to the environment Dispose of contents/container in accordance with local/ Federal regulations

3. Composition / Information on Ingredients

	Chemical name	Wt %	CAS No.
A	Homopolymer of N, N-dimethyl-N-2-propenyl-2-propen-1-ammonium chloride	28	26062-79-3
B	Water	72	7732-18-5

4. First Aid Measures**Eye contact**

Gently rinses the affected eyes with clean water for at least 15 minutes.
 Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.
 A delay of only seconds may increase the injury.

Skin

Remove contaminated clothing, shoes and socks from affected area as quickly as possible.
 Wash the affected area under running water.
 If irritation persists, Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.

Inhalation

Not applicable because of non-volatile aqueous solution.

Ingestion

Rinse mouth with water. Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.



5. Fire Fighting Measures

General information

Keep personnel removed from and upwind of fire.
Firefighters should wear proper protective equipment.
Toxic gases (carbon monoxide, hydrogen chloride, sulfur oxides and nitrogen oxides) will form upon combustion.

Extinguish Media

Use water spray, foam and dry chemical or carbon dioxide.

6: Accidental Release Measures

General information

Use proper personal protective equipment as indicated in Section 8
Evacuate non-essential personnel.

Spills/Leaks

Absorb spill with inert material (e.g. dry sand or earth) then place in a chemical waste containers.
Prevent spills from entering sewers, watercourses or areas.
Biological treatment is not effective.

7. Handling and Storage

Handling

Avoid contact with skin or eyes.
To prevent contact, wear rubber gloves and protective eyeglasses or chemical safety goggles.
Make available in the work area emergency shower and eye wash.

Storage

Keep container tightly closed when in not use.
To avoid corrosive, store in closed acid-resistant (e.g. polyethylene) containers

8. Exposure Controls / Personal Protection

Engineering controls

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Personal protective equipment (PPE)

Eyes: Wear protective eyeglasses or chemical safety goggles
Skin: Wear appropriate rubber gloves to prevent skin exposure
Clothing: Wear appropriate protective clothing to prevent skin exposure
Respirators: for most condition, no respiratory protection should be needed.

9. Physical and Chemical Properties

Odor/Appearance	: Yellow liquid, characteristic odor
Flash Point	: not applicable
Autoignition Temperature	: not occur
Boiling Point	: 100°C (212°F) (water)
Melting Point	: not applicable
Vapor Pressure	: not determined
Freezing point	: -10°C (14°F)
Vapor Density (Air=1)	: not determined



Viscosity (@100°C (212°F))	: about 1,000mPa.s
Specific Gravity	: 1.07
pH Value	: about 2.5
Solubility in water	: very soluble
Flammability	: not flammable under normal conditions
Evaporation Rate (Water=1)	: not determined

10. Stability and Reactivity

Chemical stability

Stable at room temperature in closed containers under normal storage and handling conditions.

Incompatible with oxidizing agent, bases, metals and anionic materials

Hazardous polymerization : Not occur

11. Toxicological Information**Acute Toxicity Values**

Oral LD₅₀ (Rat) = 2000 mg/kg

Other:

Mutagenic effects: Negative in the Ames test

Sub-chronic toxicity, chronic toxicity, carcinogenic effects, effects on the reproductive systems, teratogenic effects : not available

12. Ecological Information

Biodegradability : no data available

Bioaccumulation : no data available

Fish toxicity(oryzias latipes) 48hr-TIm 0.73 ppm

13. Disposal Considerations

Follow all regulations in local, Federal law. This material may be burned in a chemical incinerator equipped with an after-burner and scrubber. Do not dump into sewers, on the ground or into any body of water

14. Transport Information**U.S. Department of Transportation (DOT)**

UN Number : UN3082

Labels Required : ENVIRONMENTALLY HAZARDOUS SUBSTANCE ,LIQUID, N.O.S. (Polydiallylamine)

Class : Class 9

Packing Group : III

Marine Pollutant : P

15. Regulatory Information**U.S. Federal Regulations**

Toxic Substances Control Act (TSCA): All components of this product are included on the TSCA inventory.

SARA 313 Regulated Chemical(s)

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313



16. Other Information

The Hazardous Rating

Health : 2

Flammability : 0

Reactivity : 0

Date Prepared: 5/1/2011

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