

**1. Product and company Identification**

Product Name : PAS-M1, APC-M1
Synonyms : Polydiallyamine
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
Skin corrosion/irritation- Category 1 Eye damage/Eye irritation-Category 1		

GHS Label:**Signal Word**

- DANGER

Hazard Statements

- Causes severe skin burns and eye damage
- Causes serious eye damage

Precautionary Statements

- Do not breathe dust/fume/gas/mist/vapors/spray.
- Wash thoroughly after handling
- Wear protective gloves/protective clothing/eye protection/face protection.
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing, Rinse skin with water/shower.
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF exposed: immediately call a POISON Center or doctor/ physician.
- Wash contaminated clothing before reuse.
- Collect spillage.
- Dispose of contents/container in accordance with local/ Federal regulations.

3. Composition / Information on Ingredients

	Chemical name	Wt %	CAS No.
A	Homopolymer of N-methyl-N-2-propenyl-2-propen-1-amine hydrochloride	50	29566-78-7
B	Water	50	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 : light brown-reddish light brown 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 : -9°C (16°F)
Vapor Density (Air=1) : not determined
Viscosity (@100°C (212°F)) : about 600mPa.s
Specific Gravity : 1.10
pH Value (5% aq) : 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**

Not available

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) : no data available

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 : UN3265
Proper Shipping Name : CORROSIVE LIQUID, ACIDIC, ORGANIC, n.o.s. (Polydiallylamine)
Class : Class 8
Packing Group : III
Label : CORROSIVE

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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