

**1. Product and company Identification**

Product Name : PAS-A1, APC-A1
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-XXX-XXXX FAX
Emergency Contact Number : TEL 1-800-255-3924(CHEMTEL 24 hours for USA, Canada)

2. Hazardous identification**GHS Classification:**

Health	Environmental	Physical
Eye Corrosion - Category 1 Skin Corrosion - Category 1	Aquatic Toxicity - Acute 2	

GHS Label**Hazard Statements****DANGER!**

Causes severe skin burns and eye damage.
 Causes serious eye damage
 Toxic to aquatic life.

Precautionary Statements

Do not breathe mist/vapors/spray.
 Keep container tightly closed.
 Keep away from heat/sparks/open flame.
 Wash thoroughly after handling
 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	Copolymer of N,N-dimethyl-N-2-propenyl-2-propen-1-ammonium chloride with sulfur dioxide	24	26470-15-6
B	Sodium chloride	6	7647-14-5
C	Water	70	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 : pale yellow liquid, characteristic odor

Flashpoint : not applicable



Autoignition Temperature	: not occur
Boiling Point	: 100°C (212°F) (water)
Melting Point	: not applicable
Vapor Pressure	: not determined
Freezing point	: -7°C (19.4°F)
Vapor Density (Air=1)	: not determined
Viscosity (@100°C (212°F))	: about 7mPa.s
Specific Gravity	: 1.13
pH Value	: about 2
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

Hazardous Reactions/Decomposition Products: Thermal decomposition products may include carbon monoxide, hydrogen chloride, sulfur oxides and nitrogen oxides

11. Toxicological Information**Acute Toxicity Values**

Oral LD₅₀ (Rat) = 2500 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 1.05ppm

13. Disposal Considerations

Dispose of according to State, Local and EPA regulations. 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.

Biological treatment is not effective.

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

Proper Shipping Name : CORROSIVE LIQUID, ACIDIC, ORGANIC, n.o.s. (Polydiallylamine)

Class : Class 8

UN Number : UN3265

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

International Regulations

Canadian Environmental Protection Act: All of the components of this product are included on the Canadian Domestic Substances list (DSL).

16. Other Information

The Hazardous Rating

Health : 2
Flammability : 0
Reactivity : 0

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