

API-278

Section 1. Product and Company Identification

Product Name:	API-278
Chemical Name/Family:	Fluorinated acrylic emulsion
CAS No.:	Proprietary
Product Use:	Stain Blocking Polish
Restrictions:	For Industrial Use Only
Company:	Advanced Polymer, Inc.
Address:	400 Paterson Plank Road Carlstadt, NJ 07072 U.S.A.
Telephone:	201-933-0600
Fax:	201-933-8442
24 Hour Emergency Number	800-424-9300
24 Hour Chemtrec Number	800-424-9300

Section 2. Hazards Identification

GHS Classification:

Acute toxicity, oral	Category 5
Acute toxicity, dermal	Category 5
Acute toxicity, inhalation	Category 5
Skin corrosion/irritation	Category 3
Serious eye damage/irritation	Category 2B
Reproductive toxicity	Category 2
Specific target organ toxicity, repeated exposure (Lungs, Liver, Thyroid, Blood)	Category 2
Hazardous to aquatic environment, acute toxicity	Category 3

GHS Label:



Symbol:

Signal Word: **Warning**

Hazard Classification:

Hazard Statement:

- May be harmful if swallowed
- May be harmful in contact with skin
- May be harmful if inhaled
- Causes mild skin irritation
- Causes eye irritation
- May cause damage to Lungs, Liver, Thyroid, Blood through prolonged or repeated exposure
- Harmful to aquatic life
- Suspected of damaging fertility or the unborn child

Precautionary Statement:

Prevention

- Wash hands and contaminated part of the body thoroughly after handling.
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Use personal protective equipment as required.
- Avoid release to the environment.

Response

- Call a POISON CENTER or doctor/physician if you feel unwell.
- IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
- If skin irritation occurs: Get medical advice/attention.
- 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.
- Get medical advice/attention if you feel unwell.
- IF exposed or concerned: Get medical advice/attention.

Storage

- Store locked up.

Disposal

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

Other Hazards:

Section 3. Hazardous Composition/Information on Ingredients

Ingredients	CAS No.	Percent
Diethylene glycol monobutyl ether	112-34-5	≤7
Propylene Glycol	57-55-6	≤2
Dibutyl phthalate	84-74-2	≤2

Section 4. First Aid Measures

- Skin Contact:** Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
- Eye Contact:** 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.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician if you feel unwell.
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Section 5. Firefighting Measures

- Fire and Explosion Hazard:** Material can splatter above 100°C (212°F). Dried product can burn.
- Fire Extinguishing Media:** Water spray, Foam, Dry Chemical, CO2.
- Unsuitable Extinguishing Media:** No information available.
- Specific Hazards in Case of Fire:** No information available.
- Special Fire Fighting Information:** Evacuate personnel to a safe area. Wear self-contained breathing apparatus. Wear full protective equipment.
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Section 6. Accidental Release Measures

- Personal Precautions:** Keep people away from and upwind of spill/leak. Material can create slippery conditions. Wash hands thoroughly after use. Ensure adequate ventilation.
- Protective Equipment:** Wear safety glasses, apron, and gloves.
- Environmental Precautions:** Avoid release into the environment.
- Methods and Materials for Containment and Cleaning up:** Soak up with clay, sawdust, sand, oil dry or other absorbent material. Dike and contain spilled material. Remove with vacuum trucks or pump to storage containers. Properly dispose of contaminated product, absorbents and rinsates.
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Section 7. Handling and Storage

- Handling Conditions:** Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not use API-278 for slip resistant floor finishes/coatings. Floor finishes/coatings formulated with API-278 should be evaluated for slip resistance and suitability for use in their intended application. Product application methods, usage, wear, maintenance procedures, wet conditions, contaminants, humidity, and other factors are known to alter in-place floor slip resistance. ***** Protect from freezing. Agitate using low shear mixing prior to use. *****
- Storage Conditions:** Store at temperatures between 10°C-32.2°C (40°F-90°F). Protect from freezing. Store in a tightly closed container. Store in a well-ventilated area. Store away from oxidizing agents, sources of heat, direct sunlight or rain. ****PROTECT FROM FREEZING****
If the product freezes, allow to thaw then mix thoroughly. Product quality testing should be performed before using the product.
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Section 8. Exposure Control/Personal Protection

- Exposure Limits:**
- Appropriate engineering** Use adequate ventilation to keep vapor concentrations below applicable

controls: standard.

Personal protective equipment:

Respiratory Protection: Air-purifying respirators should be equipped with NIOSH approved (equivalent) half mask, air purifying respirator.
Hand Protection: Rubber or plastic gloves should be worn.
Eye Protection: Safety glasses with side shields should be worn.
Skin and Body Protection: Rubber apron.
Other Protective Equipment: Safety shower and Eyewash station.
Hygiene Measures: Wash hands thoroughly after use.

Section 9. Physical and Chemical Properties

Physical State: Liquid
Color: Milky White
Odor: Mild Odor
Odor Threshold: No information available.
pH: 7.5
Specific Gravity (77°F): 1.03
% Volatile by Weight: 73
% VOC: <300 g/L
Melting Point: No information available.
Freezing Point: No information available.
Boiling point: 212°F
Flash Point: >200°F (Closed Cup)
Evaporation Rate (BuAc=1): No information available.
Flammability: No information available.
Explosion Limits: No information available.
Vapor Pressure (mmHg): No information available.
Vapor Density (Air=1): No information available.
Solubility: Disperses readily using mixer.
Partition Coefficient: No information available.
Auto-ignition Temperature: No information available.
Viscosity: No information available.
Decomposition Temperature: No information available.

Section 10. Stability and Reactivity

Chemical Stability: Stable.
Hazardous Polymerization: May not occur.
Conditions to Avoid: Store in a well-ventilated place at temperatures below 90°F. Keep container tightly closed. PROTECT FROM FREEZING.
Incompatible Materials: Avoid contact with strong oxidizing agents and acids.
Hazardous Decomposition Products: Combustion may produce CO₂ or CO.

Section 11. Toxicological Information

Primary Routes of Entry:

Eye:	Yes	Skin:	Yes	Inhalation:	Yes	Ingestion:	Yes
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Potential Health Effects:

Inhalation	May be harmful if inhaled. May cause drowsiness or dizziness
Ingestion:	May be harmful if swallowed.
Skin:	May be harmful in contact with skin. Causes mild skin irritation.
Eyes:	Causes eye irritation.

Signs and Symptoms of Exposures:

Acute Toxicity:	Diethylene glycol monobutyl ether: LD50 (oral-rat) : 5660 mg/kg LD50 (dermal-rabbit) : 2,700 mg/kg (Symptoms : Dermatitis)
	Propylene Glycol: LD50 (Oral-rat) : 20,000 mg/kg LD50 (Dermal-rabbit) : 20,800 mg/kg
	Dibutyl Pthalate: LD50 (Oral-Mouse) : 9,000 mg/kg LD50 (Oral-Rat) : 8,000 mg/kg LC50 (Inhalation-Rat) : 4,250 mg/m ³ : 4hr LD50 (Dermal-Rabbit) >20.9 g/kg

Chronic Toxicity: No information available.

Respiratory or Skin Sensitization: No information available.

Mutagenicity: No information available.

Carcinogenicity:

IARC:	No	NTP:	No	OSHA:	No
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Section 12. Ecological Information

Ecotoxicity (Aquatic and Terrestrial): No information available.

Bioaccumulative Potential No information available.

Mobility in Soil: No information available.

PBT and vPvB Assessment: No information available.

Other Adverse Effects: No information available.

Section 13. Disposal Considerations

Product:	Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Incinerate or landfill at a permanent facility and dispose of as unused product as in accordance to federal, state and local regulations.
Disposing of Contaminated Packaging:	Dispose of as unused product as in accordance to federal, state and local regulations.

Section 14. Transport Information

Land Transport (DOT):	Not regulated
UN Number:	N/A
UN Proper Shipping Name:	N/A

Transport Hazard Class: N/A
Packing Group: N/A

Sea Transport (IMDG): Not Regulated

UN Number: N/A
UN Proper Shipping Name: N/A
Transport Hazard Class: N/A
Packing Group: N/A

Air Transport (IATA): Not Regulated

UN Number: N/A
UN Proper Shipping Name: N/A
Transport Hazard Class: N/A
Packing Group: N/A

Environmental Hazards (e.g., Marine pollutant): No information available.

Section 15. Regulatory Information

International Inventories:

TSCA (USA): Listed
DSL (Canada): No information available.
ENCS (Japan): No information available.
REACH (Europe): No information available.
IECSC (China): No information available.
KECL (Korea): No information available.
PICCS (Philippines): No information available.
AICS (Australia): No information available.
ERMA (New Zealand): No information available.

Federal Regulations:

SARA 313: Diethylene glycol monobutyl ether (CAS# 112-34-5), ≤7
Dibutyl phthalate (CAS# 84-74-2), ≤2
SARA 311/312: No information available.
Clean Water Act: No information available.
Clean Air Act, Section 112 HAPs (See 40CFR61): No information available.

State Regulations:

Massachusetts Right to Know Components: Dibutyl phthalate (CAS# 84-74-2), ≤2
New Jersey Right to Know Components: Diethylene glycol monobutyl ether (CAS# 112-34-5), ≤7
Propylene Glycol (CAS# 57-55-6), ≤2
Dibutyl phthalate (CAS# 84-74-2), ≤2
Pennsylvania Right to Know Components: Diethylene glycol monobutyl ether (CAS# 112-34-5), ≤7
Propylene Glycol (CAS# 57-55-6), ≤2
Dibutyl phthalate (CAS# 84-74-2), ≤2
California Proposition 65: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
Dibutyl phthalate (CAS# 84-74-2), ≤2

Section 16. Other Information

WHMIS Classification: No information available.

HMIS Rating:

Health Hazard 1

Flammability: 1

Physical Hazard: 0

Personal Protection Equipment: X

NFPA Rating

Health Hazard: 1

Fire Hazard: 1

Reactivity Hazard: 0

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