



ADVANCED POLYMER, INC.

GET THE API ADVANTAGE . . .

API-279

API-279 is a waterborne, chemical resistant, film forming concrete/masonry sealer. API-279 may be pigmented or applied as a clear coat onto substrates such as masonry or concrete. API-279 is a one component product that provides performance comparable to a two component epoxy coating. The cured coating will have great adhesion and durability; with excellent hot tire pick-up resistance; and superior water, oil, solvent, and food stain resistance; making it ideal for use on garage floors.

FEATURES

- Excellent water and early moisture resistance
- Excellent grease, oil, solvent and food stain resistance
- Provides very good hot tire pick-up resistance
- Produces excellent gloss
- Very good adhesion to concrete and masonry substrates
- Excellent water blush resistance
- Good exterior weatherability
- Could be pigmented for hard surface stain applications
- Zero to low coalescent demand

SUGGESTED APPLICATIONS

- Sealers or coatings for interior and exterior cementitious surfaces such as garage floors, driveways, sidewalks, patios, pavers, overlays and decorative concrete
- Clear sealers
- Transparent or opaque stains
- Horizontal and vertical surfaces

Note: API-279 is not designed for use in slip resistant coatings.

TYPICAL PROPERTIES

Appearance:	Milky white liquid
Solid Content:	40%
pH:	8.3
Specific Gravity (25°C):	1.04
Volatile Organic Content:	<100 g/l

Advanced Polymer, Inc.
400 Paterson Plank Road
Carlstadt, NJ 07072
Phone: (201) 933-0600
Fax: (201) 933-8442
www.advpolymer.com



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FORMULATION & APPLICATION

Component	Concentration (wt%)
API-279	50-75
Water	Balance

- One gallon of formulated API-279 will cover 50 sq. ft. to 200 sq. ft. depending on surface texture and porosity.
- Always test each type of surface for appearance and penetration before overall application.
- Surface to be treated must be clean and dry prior to application.
- Do not apply in direct sunlight or on a hot surface. The temperature of the surface should be 55°F - 85°F. Additional coalescing agent is needed if applied to surface at temperatures between 40°F and 55°F. Do not apply to wet surfaces or if rain or heavy dew is expected within 24 hours.
- Allow first coat to dry 30 min.–1 hour. Additional coats (no more than 4) maybe added for a higher gloss and added protection.
- Dry to touch in 1 hour. May be subjected to light foot traffic after 24 hours. Allow 72 hours before subjecting surface to heavy foot and automobile traffic.

SPECIAL CONSIDERATIONS

Do not use API-279 for slip resistant floor finishes/coatings. Floor finishes/coatings formulated with API-279 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.

PACKAGING

API-279 is available in 8 oz. samples and 441-lb. drums.

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I want to know more!

technical@advpolymer.com

You may also be interested in . . .

- API-278C
- API-295E

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Revised October 8, 2010

API-279

Section I Product Identity

Product Name: API-279
Chemical Name/Family: Modified acrylic latex
CAS# Mixture
24 Hour Emergency Number 800-424-9300
24 Hour Chemtrec Number 800-424-9300

All ingredients are listed in EPA's TSCA list of chemical substances

Section II Hazardous Components/Composition Information

CHEMICAL		1,2-Benzisothiazoline-3-one			
CAS#: 2634-33-5	USOS:	TWA:	STEL :	PERCENT:	<0.05
CHEMICAL		Propylene Glycol Phenyl Ether			
CAS#: 770-35-4	USOS:	TWA:	STEL :	PERCENT:	<2
CHEMICAL		1-Butoxy-2-Propanol			
CAS#: 5131-66-8	USOS:	TWA: 50ppm	STEL :	PERCENT:	<2

Section III Physical and Chemical Properties

Boiling Point	>200°F
Specific Gravity (H ₂ O=1)	1.04
Vapor Pressure	N/A
Vapor Density (Air=1)	N/A
Percent Volatile By Weight	60
Evaporation Rate (BuAc=1)	N/A
Solubility in Water	Disperses readily using mixer
Appearance and Odor	Milky white liquid with mild odor.

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)	>200°F
Flammable Limits in Air (% By Volume)	N.D.
Extinguishing Media	Water spray, Foam, Dry Chemical, CO ₂
Special Fire Fighting Procedures:	Evacuate personnel to a safe area. Wear self-contained breathing apparatus. Wear full protective equipment
Unusual Fire and Explosion Hazard	None

Section V Reactivity Data

Stability	Stable
Conditions to Avoid	Store in a well ventilated place at temperatures below 90°F. Keep container tightly closed. Keep from freezing
Incompatibilities	Avoid contact with strong oxidizing agents and acids.
Hazardous Decomposition or By Products	Combustion may produce CO ₂ or CO.
Hazardous Polymerization	May Not Occur

Section VI Health Hazard Data

Primary Routes of Entry	Inhalation: No	Dermal: Yes	Ingestion: Yes
Acute Health hazard	No information available		
Chronic Health Hazard	No information available		
Carcinogenicity			
NTP: No	IARC Monograph: No	OSHA Regulated: No	

Signs and Symptoms of Exposure

Skin Contact	Prolonged and repeated contact with skin can cause defatting and drying of the skin resulting in skin irritation and dermatitis.
Eye Contact	Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product.
Ingestion	Although ingestion is unlikely, liquid would irritate upper digestive tract if swallowed.
Inhalation	Exposure to high vapor concentrations may cause eye and respiratory tract irritation, headache, dizziness, nausea, loss of coordination and loss of consciousness.

Medical Condition Generally Aggravated by Exposure

Emergency First Aid Procedures

Eyes	Immediately flush eyes with plenty of water. Call a physician.
Skin	Immediately wash skin with soap and water. Wash contaminated clothing before reuse.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.
Inhalation	Immediately remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Please note: Symptoms may be delayed; prompt medical attention may be required. Call a physician.

Section VII Precautions for Safe Handling and Use

Steps to be Taken in Case the Material is Released or Spilled

Soak up with sawdust, sand, oil dry or other absorbent material.

Waste Disposal Method

As in accordance with EPA and local regulations.

Section VIII Special Precautions

Precautions to be Taken in Handling and Storage:

Storage Conditions: Store at temperatures between 40°F (10°C) to 90°F (32.2°C). 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. Agitate API-279 using low shear mixing prior to use.******

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Section IX Control Measures

Respiratory Protection

Ventilation	Local exhaust	Recommended
	Mechanical	
	Special	
	Other	

Eye Protection

Safety glasses should be worn

Protective Gloves

Rubber or plastic gloves should be worn

Protective Clothing

Rubber apron

Other Protective Equipment

NIOSH approved respirator as needed

Other Precautions

Wash hands after use

Section X SARA Title III

SECTION 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of SECTION 331 of the EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 and of 40 CFR 371

CAS #

Chemical Name

Percent by Weight

THIS INFORMATION MUST BE INCLUDED IN ALL MSDS'S THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL

Section XI Transportation Information

SHIPPING INFORMATION

Hazard Ratings

Health	1
Flammability	1
Reactivity	0

Date Prepared October 17, 2005

Prepared By API

Date Revised May 6, 2010

Revised By API

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