



ADVANCED POLYMER, INC.

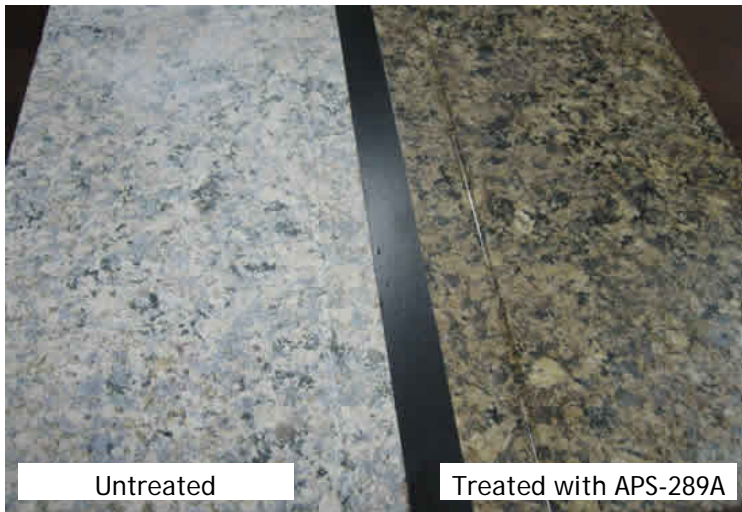
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APS-289A

APS-289A was designed for use as a premium, VOC compliant color enhancer and sealer for natural stone such as granite, slate, limestone, and travertine. APS-289A penetrates and chemically bonds to the stone, highlighting the natural aesthetics while providing stain and soil resistant properties.

CHARACTERISTICS

- Enhances the natural look of natural stone and masonry substrates.
- Provides excellent water and stain repellency to treated surfaces.
- Suitable for interior and exterior use.
- Effective on horizontal and vertical surfaces.



TYPICAL PROPERTIES

Appearance:	Clear to Straw Fluid
Non-Volatile Content:	74%
Specific Gravity:	0.96
Volatile Organic Content:	55 g/L

Advanced Polymer, Inc.
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Carlstadt, NJ 07072
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APS-289A

FORMULATION

Component	Concentration (wt%)
APS-289A	75 - 100
Solvent (alcohol, hydrocarbon or silicone solvent)	Balance

APPLICATION

- Add APS-289A to solvent and mix until uniform (take precautions for handling flammable material).
- One gallon of formulated APS-289A will cover approximately 250 sq. ft. to 400 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.
- Right before application make sure that the temperature of the substrate to be coated is between 50°F - 85°F.
- Do not allow APS-289A to pool or puddle. Wipe surface dry within 5 minutes of application to prevent residue buildup.

PACKAGING

APS-289A is available in 8 oz. samples and 441-lb drums.

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I want to know more!

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- [API-137B](#)
- [API-155ES](#)

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Revised February 17, 2011

APS-289A

Section I Product Identity

Product Name: APS-289A
Chemical Name/Family: Silicone resin solution
CAS Registry: 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 :	CAS #:	USOS:	TWA:	STEL:	PERCENT:
Methyltrimethoxysilane	1185-55-3				5-10

Section III Physical and Chemical Properties

Boiling Point	>60°C
Specific Gravity (H ₂ O=1)	0.96
Vapor Pressure	ND
Vapor Density (Air=1)	ND
Percent Volatile By Weight	33
Evaporation Rate (BuAc=1)	ND
Solubility in Water	Not miscible
Appearance and Odor	Clear to straw fluid

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)	<60°F(Closed Cup)
Flammable Limits in Air (% By Volume)	NA
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	Burning may produce toxic vapors, including carbon oxides, silicone dioxide, formaldehyde and metal oxides.

Section V Reactivity Data

Stability	Stable
Conditions to Avoid	Store in a well ventilated place at temperatures below 95°F. Keep container tightly closed.
Incompatibilities	Avoid contact with strong oxidizing agents and acids. Aluminum at high temperatures
Hazardous Decomposition or By Products	Combustion may produce carbon oxides, silicone dioxide, formaldehyde and metal oxides
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	No information available.		
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. Chemical protective gloves are recommended.
Eye Contact	Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product. Safety glasses are recommended.
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, drowsiness and loss of consciousness.

Medical Condition Generally Aggravated by Exposure

No information available

Emergency First Aid Procedures

Eyes	Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention.
Skin	Immediately wash skin with soap and water for 15 minutes. 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:

Dispose of according to State and Local regulations.

Section VIII Special Precautions

Precautions to be Taken in Handling and Storage:

Store at temperatures between 40°F (4.4°C) to 95°F (43.3°C). Protect from freezing. Store in a tightly closed container. Store in a well ventilated area. Store away from oxidizing agents and sources of heat. **Do not aerosolize this product. Agitate contents of container before using.**

Section IX Control Measures

Respiratory Protection	Protective mask for vapor concentrations above exposure limits	
Ventilation	Local exhaust	Recommended
	Mechanical	General
	Special	None required
	Other	None

Eye Protection	Safety goggles 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 313 of the EMERGENCY PLANNING AND COMMUNITIY 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

Shipping Name:	Flammable liquids, n.o.s.
Hazard Technical Name:	Methyltrimethoxy Silane
Hazard Class:	3
UN Number:	UN1993
Packing Group:	II
Hazard Label:	Flammable Liquid

Hazard Ratings

Health	2
Flammability	3
Reactivity	0

Date Prepared May 9, 2008
Prepared By API
Date Revised February 11, 2010
Revised By API

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