



ADVANCED POLYMER, INC.

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API-GREEN 2011



API-GREEN 2011 is a durable protective coating that enhances the natural appearance of treated surfaces imparting gloss to the surface. API-GREEN 2011 may be applied to architectural concrete block, tile, slate, brick and terra cotta. API-GREEN 2011 is an environmentally friendly, biodegradable, product that has no negative impact on the environment and is comprised of >75% raw materials derived from renewable resources.

CHARACTERISTICS

- Enhances the natural look of pavers and other masonry
- Provides excellent water repellency to treated surfaces.
- Suitable for interior and exterior use.
- Effective on horizontal and vertical surfaces.
- Produces excellent gloss
- Environmentally friendly
- VOC

Compliant



TYPICAL PROPERTIES

Appearance:	White Emulsion
pH:	6.5
Solid Content:	35%
Specific Gravity:	1.00
Volatile Organic Content:	<75 g/L*
Solubility:	Disperses in water
Renewable Resources:	>75%**

* Volatile Organic Content is based on Non-Volatile Content in accordance with the California Air Resources Board

** Renewable Resource Content is based on weight

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API-GREEN 2011

FORMULATION

Component	Concentration (wt%)
API-GREEN 2011	50% - 100%
Water	Balance

APPLICATION

- Add API-GREEN 2011 to water and mix until uniform. One gallon of formulated API-GREEN 2011 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.
- The temperature of the substrate to be coated, at time of application, must be between 50°F – 85°F.
- Evenly distribute any pooled API-GREEN 2011 over the entire surface. Wipe up excess with a clean lint-free towel or dry cotton mop before it dries.
- Additional coats maybe added if higher gloss and darker color is desired but wait minimum of one hour drying time between coats. Optimum result depends on the surface texture and porosity:
 - For Porous Surface up to 4 coats
 - For Dense Surface 1 – 2 coats
- Dry to touch in 1 hour. May be subjected to light foot traffic after 24 hours. Allow 72 hours for complete cure.

PACKAGING

API-GREEN 2011 is available in 8 oz. samples and 441-lb drums

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I want to know more!

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You may also be interested in . . .

- API-GREEN 2001
- API-GREEN 2002
- API-GREEN 2008

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Revised March 8, 2010



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API GREEN PRODUCTS INITIATIVE

Advanced Polymer Inc's Green Coatings Initiative (GCI) is dedicated to providing customers with safer, more environmentally compatible solutions while maintaining the expected performance and cost effectiveness of specialty products. Through innovative development and manufacturing processes API's GCI aims to:

- Reduce the volatile organic content of formulations.
- Provide customers with superior products that are derived from sustainable resources such as plants and animals.
- Formulate coatings that do not persist or accumulate in the environment and are less toxic to organisms and the ecosystem.
- Create a safer work environment for manufacturers and other personnel related to the production or transportation of the product.
- Establish an on going commitment to our environment and community that we will continually work to improve our products and practices

There is no industry, government or commercial standard for what is Green and what is not Green. Each corporation is left to decide for itself how it will approach the growing concept of Green Products. It is therefore also the responsibility of each individual entity to define and maintain what it believes Green Products are. At Advanced Polymer Inc. we define a Green Product as:



1. Containing no hazardous or toxic components.
2. Being sourced from a plant or animal sources.
3. Not producing waste materials during its production or use.
4. Having no known negative impact on humans, plants or animals.

With these stringent requirements Advanced Polymer, Inc. is setting a standard for Green Products.

API-GREEN 2011

Section I Product Identity

Product Name	API-GREEN 2011
Chemical Name/Family	Glossy Enhancer
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:

Section III Physical and Chemical Properties

Boiling Point	212°F
Specific Gravity (H ₂ O=1)	1.00
Vapor Pressure	NA
Vapor Density (Air=1)	NA
Percent Volatile By Weight	65
Evaporation Rate (BuAc=1)	NA
Solubility in Water	Miscible
Appearance and Odor	Milky white liquid

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)	>200°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	None. Burning may produce toxic vapors, including formic acid, carbon dioxide, and formaldehyde.

Section V Reactivity Data

Stability	Stable
Conditions to Avoid	Store in a well-ventilated place at temperatures below 90 F. Keep container tightly closed. Protect from freezing
Incompatibilities	Avoid contact with strong oxidizing agents and acids. Aluminum at high temperatures
Hazardous Decomposition or By Products	Combustion may produce CO ₂ , CO and nitrous 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.
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, lack of coordination, drowsiness and loss of consciousness.

Medical Condition Generally Aggravated by Exposure

None known

Emergency First Aid Procedures

Eyes	Immediately flush eyes with plenty of water. Seek medical attention.
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:

Dispose of according to EPA, 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). 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. No smoking in area of storage. **Agitate contents of container before using**

Section IX Control Measures

Respiratory Protection	Protective mask for vapor concentrations above exposure limits	
Ventilation	Local exhaust	Not required
	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

API-GREEN 2011 is classified non-hazardous and is not regulated by DOT.

Hazard Ratings

Health	1
Flammability	1
Reactivity	0

Date Prepared April 3, 2009
Prepared By API
Date Revised March 8, 2010
Revised By API

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