



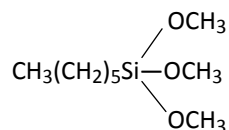
ADVANCED POLYMER, INC.

GET THE API ADVANTAGE . . .

AP-SILANE 99

AP-SILANE 99 is a n-Hexyltrimethoxy silane coupling agent . AP-SILANE 99 has both organic and inorganic reactivity. Due to its unique functionality AP-SILANE 99 will impart superior hydrophobic properties.

CHEMICAL STRUCTURE



CHARACTERISTICS

- AP-Silane 99 will react in the presence of atmospheric moisture to form a durable sealant.
- Treated substrates are highly hydrophobic and retain their original appearance.

APPLICATION

Typical applications include commercial buildings, parking decks and bridge structures.

SOLUBLE IN	INSOLUBLE IN
Odorless mineral spirits Isopropanol Ethanol	Water Methanol

TYPICAL PROPERTIES

Appearance:	Clear liquid
Molecular Weight:	236.6
Ionic Nature:	Nonionic
Specific Gravity (@ 25°C):	1.07
Purity:	>98.0%
Refractive Index (@ 25°C):	1.427
Minimum Coverage Area:	330 m ² /g

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

Continued . . .



GET THE API ADVANTAGE . . .

AP-SILANE 99

APPLICATION cont'd . . .

The following dilution ratio is suggested:

- Prepare a mixture of 3% to 5% AP-SILANE 99 and 95% to 97% diluent.
- This mixture may be brushed or sprayed onto the surface to be protected. Recommended coverage is
- 100 to 110 ft²/gallon. Allow the treated surface to air dry (65°F - 77°F) for 24 hours.

PACKAGING

AP-SILANE 99 is available in 4 oz. samples and 441-lb. drums.

Advanced Polymer, Inc.

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

I want to know more!

technical@advpolymer.com

You may also be
interested in . . .

The information set forth herein is furnished free of charge and based on technical data that Advanced Polymer, Inc. believes to be reliable. It is intended for use by persons having technical skill at their own risk. Because conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information. Nothing herein is to be taken as license to operate under or a recommendation to infringe any patents.

Revised October 28, 2009

AP-SILANE 99

Section I Product Identity

Product Name: AP-SILANE 99
Chemical Name/Family: n-Hexyltrimethoxy silane
CAS Registry: #3069-19-0
All ingredients are listed in EPA's TSCA list of chemical substances

Section II Hazardous Components/Composition Information

CHEMICAL n-Hexyltrimethoxy silane
CAS # 3069-19-0
USOS
TWA
STEL
PERCENT >98

Section III Physical and Chemical Properties

Boiling Point 202°C
Specific Gravity (H₂O=1) 0.914
Vapor Pressure N/A
Vapor Density (Air=1) N/A
Percent Volatile By Weight N/A
Evaporation Rate (BuAc=1) N/A
Solubility in Water Insoluble
Appearance and Odor Transparent liquid

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used) 77°C (Closed Cup)
Flammable Limits in Air (% By Volume) N.D.
Extinguishing Media Foam, Dry Chemical, CO₂
Special Fire Fighting Procedures: Evacuate personnel to a safe area. Wear self-contained breathing apparatus. Wear full protective equipment
Unusual Fire and Explosion Hazard Combustion can produce nitrogen oxides, toxic and corrosive gasses.

Section V Reactivity Data

Stability	Stable
Conditions to Avoid	Store in a well-ventilated place at temperatures below 120°F. Keep container tightly closed. Keep from freezing
Incompatibilities	Will hydrolyze with water, but no hazard. Avoid contact with strong oxidizing agents and acids.
Hazardous Decomposition or By Products	Combustion may produce CO ₂ , CO and ethanol (flammable liquid)
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. May cause severe irritation.
Eye Contact	Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product. May cause severe irritation.
Ingestion	Although ingestion is unlikely, liquid may irritate upper digestive tract if swallowed. May cause severe irritation.
Inhalation	May cause severe irritation.

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:

Turn off ignition sources. Soak up with 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:

Store in a well-ventilated place at temperatures below 120°F. Keep container tightly closed. Keep from freezing. ***Agitate contents of container before using***

Section IX Control Measures

Respiratory Protection:	Ventilation	Local exhaust	Recommended
		Mechanical	Adequate ventilation system
		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:	Eye wash equipment and safety shower should be available. 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 None

Percent by Weight None

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

Section XI Transportation Information

SHIPPING INFORMATION

AP-SILANE 99 is not regulated by DOT.

Hazard Ratings

Health	1
Flammability	1
Reactivity	1

Date Prepared October 18, 2005

Prepared By API

Date Revised October 28, 2009

Revised By API

THE INFORMATION AND RECOMMENDATIONS HEREIN, ARE TO THE BEST OF OUR KNOWLEDGE, TRUE AND ACCURATE. NO WARRANTY, EXPRESS OR IMPLIED, IS MADE OR INTENDED.



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

TO THE CUSTOMERS OF ADVANCED POLYMER, INC.

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, express or implied:

Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss of damage, direct, or consequential arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his intended use. The user assumes all risk and liability whatsoever in connection therewith.

No statement or recommendation contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer. Since the manufacturer of the product described in this technical data sheet has no means of controlling the final use of the product by the consumer for the user, it is the responsibility of the immediate purchaser and any intermediate seller or sellers to inform the user of the purposes for which the product may be fit and suitable and of the properties of the product, including the precautionary measures which must be taken in order to ensure the safety of the user and of other third persons and property.

No statement made herein shall be taken as an authorization or inducement to practice any patented invention without appropriate license.