

## AP-SILANE 98

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### Section 1. Product and Company Identification

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Product Name:	AP-SILANE 98
Chemical Name/Family:	n-octyltriethoxy-silane
CAS No.:	2943-75-1
Product Use:	Hydrophobing Agent
Restrictions:	For Industrial Use Only
Company:	Advanced Polymer.
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

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### Section 2. Hazards Identification

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#### GHS Classification:

Flammable liquids	Category 4
Skin corrosion/ irritation	Category 2

#### GHS Label:



#### Pictogram:

**Signal Word:** Warning

#### Hazard Classification:

#### **Hazard Statement:**

Combustible liquid  
Causes skin irritation

#### **Precautionary Statement:**

#### **Prevention**

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Wash hands and contaminated skin thoroughly after handling.

#### **Response**

In case of fire: Use foam, dry chemical CO<sub>2</sub> for extinction.

IF ON SKIN: Wash with plenty of soap and water

Specific treatment (see supplemental first aid instructions on this label.)

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse.

#### Storage

Store in a well-ventilated place. Keep cool.

#### Disposal

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

**Other Hazards:** No information available.

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### Section 3. Composition/Information on Ingredients

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Ingredients	CAS No.	Percent
n-octyltriethoxy-silane	2943-75-1	>98

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### Section 4. First Aid Measures

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<b>Skin Contact:</b>	Immediately wash skin with soap and water. Wash contaminated clothing before reuse.
<b>Eye Contact:</b>	Immediately flush eyes with plenty of water. Seek medical attention.
<b>Inhalation:</b>	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.
<b>Ingestion:</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.

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### Section 5. Firefighting Measures

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<b>Specific Hazards in Case of Fire:</b>	Severe fire hazard. Moderate explosion hazard. The vapor is heavier than air. Vapors or gases may ignite at distant ignition sources and flash back.
<b>Fire Extinguishing Media:</b>	For small fires, use media such as foam, dry chemical CO <sub>2</sub> . For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.
<b>Unsuitable Extinguishing Media:</b>	None
<b>Special Protective Equipment and Precaution for Firefighters:</b>	Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Cool container with water spray. Evacuate personnel to a safe area. Wear self-contained breathing apparatus. Wear full protective equipment.
<b>Unusual Fire &amp; Explosion Hazards:</b>	No information available.

## Section 6. Accidental Release Measures

<b>Personal Precautions:</b>	Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form concentrations. Vapours can accumulate in low areas.
<b>Protective Equipment:</b>	Wear appropriate personal protective equipment (e.g. safety goggles, protective gloves, dust respirators)
<b>Environmental Precautions:</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods and Materials for Containment and Cleaning up:</b>	Turn off ignition sources. Soak up with sand, oil dry or other absorbent material and place in a chemical waste container. Use only non-sparking tools.

## Section 7. Handling and Storage

<b>Handling Conditions:</b>	Avoid inhalation of vapor or mist. Take measures to prevent the build-up of electrostatic charge. (Ground / bond container and receiving equipment. Use only clean, dry utensils in handling. Use spark proof tools and equipment). Wash thoroughly after handling. Use only clean, dry, utensils in handling. **Agitate contents of container before using**
<b>Storage Conditions:</b>	Store in a well-ventilated place at temperatures below 120°F. Keep container tightly closed. Moisture sensitive. Store under inert gas.

## Section 8. Exposure Control/Personal Protection

<b>Exposure Limits:</b>	Contains no substances with occupational exposure limit values.
<b>Appropriate engineering controls:</b>	Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
<b>Personal protective equipment:</b>	
Respiratory Protection:	Use respirators and components tested and approved under appropriate government standards such as NIOSH.
Hand Protection:	Chemical resistant gloves.
Eye Protection:	Safety glasses should be worn.
Skin and Body Protection:	Wear appropriate chemical resistant clothing.
Hygiene Measures:	Wash hands thoroughly after handling.

## Section 9. Physical and Chemical Properties

<b>Physical State:</b>	Liquid
<b>Color:</b>	Colourless
<b>Odor:</b>	Alcohol-like odor
<b>Odor Threshold:</b>	No information available
<b>pH:</b>	No information available
<b>Specific Gravity (77°F):</b>	0.875
<b>% Volatile by Weight:</b>	~94
<b>Melting Point:</b>	No information available
<b>Freezing Point:</b>	No information available
<b>Boiling point:</b>	No information available
<b>Flash Point:</b>	65°C (149°F)

<b>Evaporation Rate (BuAc=1):</b>	No information available
<b>Flammability:</b>	No information available
<b>Vapor Pressure (mmHg):</b>	No information available
<b>Vapor Density (Air=1):</b>	No information available
<b>Solubility:</b>	Dispersible
<b>Partition Coefficient:</b>	No information available
<b>Auto-ignition Temperature:</b>	No information available
<b>Viscosity:</b>	No information available
<b>Decomposition Temperature:</b>	No information available

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## Section 10. Stability and Reactivity

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<b>Chemical Stability:</b>	Stable at normal temperatures and pressure
<b>Hazardous Polymerization:</b>	May not occur
<b>Conditions to Avoid:</b>	Avoid sparks or combustion sources. Hydrolyzed with water or moisture and generates ethanol. Use with adequate ventilation.
<b>Incompatible Materials:</b>	Oxidizing materials
<b>Hazardous Decomposition Products:</b>	Thermal decomposition products: Oxides of carbon

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## Section 11. Toxicological Information

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### Primary Routes of Entry:

<b>Eye:</b>	Yes	<b>Skin:</b>	Yes	<b>Inhalation:</b>	Yes	<b>Ingestion:</b>	Yes
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### Potential Health Effects:

Inhalation	May cause slight irritation to mucous membranes and upper respiratory tract.
Ingestion:	Low-harmful
Skin:	Causes skin irritation
Eyes:	May cause eye irritation
<b>Signs and Symptoms of Exposures:</b>	No information available
<b>Acute Toxicity:</b>	LD50 (Oral/Rat) : >5,110 mg/kg LD50 (Dermal/Rat) : 6730 mg/kg
<b>Chronic Toxicity:</b>	No information available
<b>Respiratory or Skin Sensitization:</b>	No information available
<b>Mutagenicity:</b>	No information available
<b>Carcinogenicity:</b>	

<b>IARC:</b>	No	<b>NTP:</b>	No	<b>OSHA:</b>	No
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## Section 12. Ecological Information

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<b>Ecotoxicity (Aquatic and Terrestrial):</b>	No information available
<b>Bioaccumulative Potential</b>	No information available
<b>Mobility in Soil:</b>	No information available
<b>PBT and vPvB Assessment:</b>	No information available
<b>Other Adverse Effects:</b>	No information available

### Section 13. Disposal Considerations

<b>Product:</b>	Can be burned in chemical incinerator equipped with afterburner and scrubber but exert extra care in igniting as this product is very flammable. Do not dump into sewers, on the ground or into any body of water. Do not dispose unlawfully. Observe all federal, state, and local laws.
<b>Disposing of Contaminated Packaging:</b>	Do not dispose of the emptied container unless the contents have been completely removed and container has been flushed with a clean neutral solvent and then dried up. Contact a licensed professional waste disposal service to dispose of this material.

### Section 14. Transport Information

<b>Land Transport (DOT):</b>	<b>This material is classified as combustible liquid when shipped in bulk packaging &gt;119 gal. This material is not regulated under 49 CFR if in a container of ≤119 gal.</b>
UN Number:	NA1993
UN Proper Shipping Name:	Combustible liquid n.o.s. (contains octyltriethoxysilane)
Transport Hazard Class:	Combustible liq
Packing Group:	III
<b>Sea Transport (IMDG):</b>	<b>Not Regulated</b>
UN Number:	Not Applicable
UN Proper Shipping Name:	Not Applicable
Transport Hazard Class:	Not Applicable
Packing Group:	Not Applicable
<b>Air Transport (IATA):</b>	<b>Not Regulated</b>
UN Number:	Not Applicable
UN Proper Shipping Name:	Not Applicable
Transport Hazard Class:	Not Applicable
Packing Group:	Not Applicable
<b>Environmental Hazards (e.g., Marine pollutant):</b>	None

### Section 15. Regulatory Information

<b>International Inventories:</b>	
TSCA (USA):	All ingredients listed or exempt.
DSL (Canada):	All ingredients listed or exempt.
ENCS (Japan)	No information available
EINECS (Europe):	All ingredients listed or exempt.
IECSC (China):	All ingredients listed or exempt.
KECL (Korea):	All ingredients listed, exempt or notified.
PICCS (Philippines):	All ingredients listed or exempt.
AICS (Australia):	All ingredients listed or exempt.
NZIoC (New Zealand):	All ingredients listed or exempt.
TCSI (Taiwan):	All ingredients listed or exempt.
<b>Federal Regulations:</b>	



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SARA 313:	None
SARA 311/312:	No information available
Clean Water Act:	No information available
Clean Air Act, Section 112 HAPs (See 40CFR61):	No information available
<b>State Regulations:</b>	
Massachusetts Right to Know Components:	Not Regulated
New Jersey Right to Know Components:	Not Regulated
Pennsylvania Right to Know Components:	Not Regulated
California Proposition 65:	None

**Section 16. Other Information**

**WHMIS Classification:** No information available

**HMIS Rating:**

Health	2
Flammability:	2
Physical Hazard:	0
Personal Protection	C

**NFPA Rating**

Health Hazard:	2
Fire Hazard:	2
Reactivity Hazard:	0

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