

AP-SILANE 30

Section 1. Product and Company Identification

Product Name:	AP-SILANE 30
Chemical Name/Family:	N-propyl trimethoxy silane
CAS No.:	1067-25-0
Product Use:	Coupling 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

Section 2. Hazards Identification

GHS Classification:

Flammable liquids	Category 3
Serious eye damage/eye irritation	Category 2A

GHS Label:



Pictogram:

Signal Word: Warning

Hazard Classification:

Hazard Statement:

Flammable liquid and vapor.
Causes serious eye irritation.

Precautionary Statement:

Prevention:

Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Keep container tightly closed.
Ground/Bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/.../equipment.
Use non-sparking tools.
Take precautionary measures against static discharge.
Wear protective gloves/eye protection/face protection.
Wash thoroughly after handling.

Response:

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

In case of fire: Use dry sand, dry chemical or alcohol resistant foam for extinction.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Storage:

Store in a well-ventilated place. Keep cool.

Disposal:

Dispose of contents/container to an approved waste disposal plant.

Section 3. Composition/Information on Ingredients

Ingredients	CAS No.	Percent
N-Propyltrimethoxysilane	1067-25-0	100%

Section 4. First Aid Measures

Skin Contact: Immediately wash skin with soap and water. Wash contaminated clothing before reuse.

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

Inhalation: Immediately remove to fresh air.

Ingestion: Wash out mouth with water provide a person is conscious. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.

Section 5. Firefighting Measures

Fire and Explosion Hazard: Vapors form explosive mixtures with air. Vapors may travel considerable distance to source of ignition and flash back.

Fire Extinguishing Media: Foam, dry chemical, or carbon dioxide.

Unsuitable Extinguishing Media: None

Specific Hazards in Case of Fire: Move container from fire area if it can be done without risk. Use extinguishing agents appropriate for surrounding fire. Avoid inhalation of material or combustion by-products. Cool container with water spray.

Special Fire Fighting Information: Evacuate personnel to a safe area. Wear self-contained breathing apparatus. Wear full protective equipment.

Section 6. Accidental Release Measures

Personal Precautions: 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.

Protective Equipment: Wear appropriate personal protective equipment (e.g. safety goggles, protective gloves, respirators)

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and Materials for Turn off ignition sources. Contain spillage and then collect with an electrically

Containment and Cleaning up: protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

Section 7. Handling and Storage

Handling Conditions: 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. Avoid contact with eyes and skin. Avoid contact with water or moisture.

*****Agitate contents of container before using*****

Storage Conditions: Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Store locked up. Keep container tightly closed. Keep away from heat sparks and open flame. Store away from incompatible materials. If the product freezes, allow the product to thaw then mix thoroughly. Product quality testing should be performed before using.

Section 8. Exposure Control/Personal Protection

Exposure Limits: ACGIH TLV-TWA : 200ppm; STEL 250ppm (Skin),
OSHA PEL : 8H TWA 200PPM (Methanol;decomposed product)

Appropriate engineering controls: Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Personal protective equipment:

Respiratory Protection: Recommended.

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

Physical State: Liquid

Color: Colorless, transparent

Odor: Slight odor

Odor Threshold: No information available

pH: N.A.

Specific Gravity (25°F): 0.93

% Volatile by Weight: 100

Melting Point: No information available

Freezing Point: No information available

Boiling point: 142°C (287°F)

Flash Point: 36°C (96.8°F) – closed cup

Evaporation Rate (BuAc=1): >1

Flammability: No information available

Vapor Pressure (mmHg): <30mmHg (25°C)

Vapor Density (Air=1): 5.6

Solubility: Insoluble in water (Hydrolyzed with water)

Partition Coefficient:	No information available
Auto-ignition Temperature:	No information available
Viscosity:	No information available
Decomposition Temperature:	No information available

Section 10. Stability and Reactivity

Chemical Stability:	Stable at normal temperatures and pressure
Hazardous Polymerization:	May not occur
Conditions to Avoid:	Avoid heat, flames, sparks and other sources of ignition. Avoid extreme temperature and direct sunlight. Hydrolyzed with water but no hazard.
Incompatible Materials:	Water, acids, or alkalis
Hazardous Decomposition Products:	Methanol (Flammable and Poisonous liquids)

Section 11. Toxicological Information

Primary Routes of Entry:

Eye:	Yes	Skin:	Yes	Inhalation:	Yes	Ingestion:	Yes
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Potential Health Effects:

Inhalation	May cause slight irritation to mucous membranes and upper respiratory tract.
Ingestion:	Low-harmful
Skin:	May cause slight skin irritation
Eyes:	Causes serious eye irritation

Signs and Symptoms of Exposures: No information available.

Acute Toxicity: LD50 (Oral/Rat) : 5.628g/Kg (Methanol - decomposed product)
 LC50 (Inhalation/Rat) : 64000ppm/4Hr (Methanol - decomposed product)

Chronic Toxicity: May cause conjunctivitis, dizziness, sleeplessness and gastrointestinal and optical disturbances (Methanol – decomposed product).

Respiratory or Skin Sensitization: No information available

Mutagenicity: No information available

Carcinogenicity:

IARC:	No	NTP:	No	OSHA:	No
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Section 12. Ecological Information

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

Section 13. Disposal Considerations

Product: 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.

Disposing of Contaminated Packaging:

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

Land Transport (DOT):

UN Number: 1993
 UN Proper Shipping Name: Flammable liquids, N.O.S.
 Technical Shipping Name: (N-propyltrimethoxysilane)
 Transport Hazard Class: 3
 Packing Group: III

Sea Transport (IMDG):

UN Number: 1993
 UN Proper Shipping Name: Flammable liquid, N.O.S.
 Technical Shipping Name: (N-propyltrimethoxysilane)
 Transport Hazard Class: 3
 Packing Group: III

Air Transport (IATA):

UN Number: 1993
 UN Proper Shipping Name: Flammable liquid, N.O.S.
 Technical Shipping Name: (N-propyltrimethoxysilane)
 Transport Hazard Class: 3
 Packing Group: III

Environmental Hazards (e.g., Marine pollutant): None

Section 15. Regulatory Information

International Inventories:

TSCA (USA): Listed
 DSL (Canada): Listed
 ENCS (Japan): Listed
 EINECS (Europe): No information available
 IECSC (China): No information available
 KECL (Korea): No information available
 PICCS (Philippines): No information available
 AICS (Australia): No information available
 ERMA (New Zealand): No information available

Federal Regulations:

SARA 313: None
 SARA 311/312: No information available



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Clean Water Act: No information available

Clean Air Act, Section 112 HAPs (See 40CFR61): No information available

State Regulations:

Massachusetts Right to Know Components: No information available

New Jersey Right to Know Components: No information available

Pennsylvania Right to Know Components: No information available

California Proposition 65: None

Section 16. Other Information

WHMIS Classification: No information available

HMIS Rating:

Health Hazard 1

Flammability: 3

Physical Hazard: 0

Personal Protection Equipment: E

NFPA Rating

Health Hazard: 1

Fire Hazard: 3

Reactivity Hazard: 1

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