

APS-210

Section 1. Product and Company Identification

Product Name:	APS-210
Chemical Name/Family:	Polydimethylsiloxane, hydroxyl terminated
CAS No.:	70131-67-8
Product Use:	Architectural Coating Application; Intermediates
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:

Reproductive toxicity

Category 2

GHS Label:**Symbol:****Signal Word:**

Warning

Hazard Classification:**Hazard Statement:**

Suspected of damaging fertility or the unborn child

Precautionary Statement:**Prevention**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Use personal protective equipment as required.

Response

IF exposed or concerned: Get medical advice/attention.

Storage

Store locked up.

Disposal

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

Other Hazards: None Known

Section 3. Composition/Information on Ingredients

Ingredients	CAS No.	Percent
Octamethylcyclotetrasiloxane	556-67-2	≤1.0

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. 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.
- Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.

Section 5. Firefighting Measures

- Specific Hazards in Case of Fire:** No Information Available
- Fire Extinguishing Media:** Water, foam, dry chemical, CO₂.
- Unsuitable Extinguishing Media:** None known.
- Special Protective Equipment and Precaution for Firefighters:** Evacuate personnel to a safe area. Wear self-contained breathing apparatus. Wear full protective equipment.
- Unusual Fire & Explosion Hazards:** No Information Available

Section 6. Accidental Release Measures

- Personal Precautions:** Ensure adequate ventilation. Avoid breathing vapors and contact with skin, eyes and clothing.
- Protective Equipment:** Wear appropriate personal protective equipment.
- Environmental Precautions:** Do not allow to contaminate water sources or sewers.
- Methods and Materials for Containment and Cleaning up:** Soak up with inert absorbent material (e.g. sawdust, sand, silica gel or other absorbent material).

Section 7. Handling and Storage

- Handling Conditions:** Use only in well ventilated areas. Avoid contact with eyes. Avoid contact with skin. Avoid breathing vapor. When using do not eat, drink or smoke.
***** Agitate contents of container before using *****
- Storage Conditions:** Store in a well-ventilated place at temperatures below 120°F. Keep container tightly closed. Keep from freezing.

Section 8. Exposure Control/Personal Protection

Exposure Limits:	Octamethylcyclotetrasiloxane (CAS # 56-67-2) : TWA 10 ppm
Appropriate engineering controls:	Local exhaust ventilation must be used if heated above 200°C. Use suitable ventilation to remove mists or vapors during spray or other applications.
Personal protective equipment:	
Respiratory Protection:	NIOSH approved respirator as needed.
Hand Protection:	Rubber or plastic gloves should be worn.
Eye Protection:	Safety glasses should be worn.
Skin and Body Protection:	Rubber apron.
Other Protective Equipment:	Eye wash equipment and safety shower.
Hygiene Measures:	Wash hands thoroughly after handling.

Section 9. Physical and Chemical Properties

Physical State:	Liquid
Color:	Colorless
Odor:	Odorless
Odor Threshold:	N/A
% Non-volatile by Weight:	≥95%
pH:	N/A
Specific Gravity (77°F):	0.972
% Volatile by Weight:	<5%
Melting Point:	Not Determined
Freezing Point:	Not Determined
Boiling point:	>100°C
Flash Point:	>212°F/>100°C (Pensky-Martens Closed Cup)
Evaporation Rate (BuAc=1):	Not Determined
Flammability:	Not Determined
Explosion Limits:	Not Determined
Vapor Pressure (mmHg):	Not Determined
Vapor Density (Air=1):	Not Determined
Solubility:	Insoluble
Partition Coefficient:	Not Determined
Auto-ignition Temperature:	Not Determined
Viscosity:	~100mPas
Decomposition Temperature:	Not Determined

Section 10. Stability and Reactivity

Chemical Stability:	Stable.
Hazardous Polymerization:	May Not Occur.
Conditions to Avoid:	Avoid sparks or any sources of ignition. Store in a well-ventilated place at temperatures below 120°F. Protect from freezing.
Incompatible Materials:	None.

Hazardous Decomposition Products: Combustion may produce oxides of carbon and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.

Section 11. Toxicological Information

Primary Routes of Entry:

Eye:	No	Skin:	Yes	Inhalation:	No	Ingestion:	Yes
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Potential Health Effects:

Inhalation	No information available.
Ingestion:	Although ingestion is unlikely, liquid would irritate upper digestive tract if swallowed.
Skin:	Prolonged and repeated contact with skin can cause defatting and drying of the skin resulting in skin irritation and dermatitis.
Eyes:	Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product.

Signs and Symptoms of Exposures:

Acute Toxicity:	No information available
Chronic Toxicity:	No information available
Respiratory Sensitization:	No information available
Skin Sensitization:	No information available
Reproductive toxicity:	Octamethylcyclotetrasiloxane (CAS # 56-67-2): Evidence of reproductive effects in laboratory animals.
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:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Disposing of Contaminated Packaging:	Dispose as if unopened.

Section 14. Transport Information

Land Transport (DOT):	Not Regulated
UN Number:	Not Applicable
UN Proper Shipping Name:	Not Applicable

Transport Hazard Class:	Not Applicable
Packing Group:	Not Applicable
Sea Transport (IMDG):	Not Regulated
UN Number:	Not Applicable
UN Proper Shipping Name:	Not Applicable
Transport Hazard Class:	Not Applicable
Packing Group:	Not Applicable
Air Transport (IATA):	Not Regulated
UN Number:	Not Applicable
UN Proper Shipping Name:	Not Applicable
Transport Hazard Class:	Not Applicable
Packing Group:	Not Applicable
Environmental Hazards (e.g., Marine pollutant):	

Section 15. Regulatory Information

International Inventories:

TSCA (USA):	Listed
DSL (Canada):	N/A
ENCS (Japan)	N/A
REACH (Europe):	N/A
IECSC (China):	N/A
KECL (Korea):	N/A
PICCS (Philippines):	N/A
AICS (Australia):	N/A
ERMA (New Zealand):	N/A

Federal Regulations:

SARA 313:	None
SARA 311/312:	Acute No
	Chronic Yes
	Fire No
	Pressure No
	Reactive No

Clean Water Act:	N/A
Clean Air Act, Section 112 HAPs (See 40CFR61):	N/A

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:	N/A
HMIS Rating:	



400 PATERSON PLANK ROAD | CARLSTADT, NJ 07072

PHONE: (201) 933-0600 | FAX: (201) 933-8442

WWW.ADVPOLYMER.COM

Health Hazard	1
Flammability:	1
Physical Hazard:	0
Personal Protection Equipment:	X

NFPA Rating

Health Hazard:	1
Fire Hazard:	1
Reactivity Hazard:	0

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