

APS-690

Section 1. Product and Company Identification

Product Name: **APS-690**
 Chemical Name/Family: Fluoroalkyl modified silicone
 CAS No.: Proprietary
 Product Use: Release Agent and Additive to Improve Chemical Resistance
 Restrictions: For Industrial Use Only
 Company: Advanced Polymer, Inc.
 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:

Physical Hazards	Not classified
Health Hazards	Not classified
Environmental Hazards	Not classified

GHS Label:

Symbol: None

Signal Word: None

Hazard Classification:

Hazard Statement: None

Precautionary Statement: None

Other Hazards:

Trifluoropropionaldehyde (TFPA) vapors may evolve from product used in open systems at temperature above 150°C (300°F). TFPA vapors present highly potential health hazard, so that adequate ventilation and protective equipment should be provided. This product can generate formaldehyde at approximately 150°C (300°F) and above in the presence of air. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant and potential cancer hazard. So, use adequate ventilation or wear protective equipment such as gloves, goggles or protective clothing when this product is heated at approximately 150°C(300°F) and above in the presence of air.

Section 3. Composition/Information on Ingredients

Ingredients	CAS No.	Percent
There are no components contained in this material at concentrations above 1% that are considered hazardous under 29CFR1910.1200.		

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 if irritation persists.
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:	Not considered flammable nor combustible, but will burn if involved in a fire.
Fire Extinguishing Media:	Foam, Dry Chemical, CO ₂
Unsuitable Extinguishing Media:	None
Special Protective Equipment and Precaution for Firefighters:	Evacuate personnel to a safe area. Wear a self-contained breathing apparatus. Wear full protective equipment.
Unusual Fire & Explosion Hazards:	Burning can produce hydrogen fluoride, toxic and corrosive gas.

Section 6. Accidental Release Measures

Personal Precautions:	Wash contaminated skin thoroughly. Evacuate personnel to safe areas. Ensure adequate ventilation.
Protective Equipment:	Wear appropriate personal protective equipment.
Environmental Precautions:	Avoid release to the environment.
Methods and Materials for Containment and Cleaning up:	Contain the spill or leak. Soak up with sawdust, sand, oil dry or other absorbent material. Properly dispose of contaminated product, absorbents and rinsates.

Section 7. Handling and Storage

Handling Conditions:	Avoid contact with eyes and prolonged or repeated skin contact. ***Agitate contents of container before using***
Storage Conditions:	Store in a well-ventilated place. Keep container tightly closed. Keep away from heat, sparks and flame.

Section 8. Exposure Control/Personal Protection

Exposure Limits:	No Information Available
Appropriate engineering controls:	Use adequate ventilation when this product is heated at approximately 150°C and above in the presence of air.
Personal protective equipment:	
Respiratory Protection:	NIOSH approved respirator as needed
Hand Protection:	Rubber or plastic gloves should be worn
Eye Protection:	Safety glasses/goggles should be worn
Skin and Body Protection:	Rubber apron
Other Protective Equipment:	Eye wash equipment and safety shower.

Hygiene Measures:

Wash hands thoroughly after use.

Section 9. Physical and Chemical Properties

Physical State:	Liquid
Color:	Transparent, Colorless
Odor:	Odorless
Odor Threshold:	N/A
% Non-volatile by Weight:	N/A
pH:	N/A
Specific Gravity (77°F):	1.27
% Volatile by Weight:	3.0 max
Melting Point:	N/A
Freezing Point:	N/A
Boiling point:	N/A
Flash Point:	>260°C (Open cup) >94°C (Closed cup)
Evaporation Rate (BuAc=1):	Negligible
Flammability:	N/A
Explosion Limits:	N/A
Vapor Pressure (mmHg):	Negligible
Vapor Density (Air=1):	N/A
Solubility:	Not soluble in water
Partition Coefficient:	N/A
Auto-ignition Temperature:	N/A
Viscosity:	N/A
Decomposition Temperature:	N/A

Section 10. Stability and Reactivity

Chemical Stability:	Stable
Hazardous Polymerization:	May not occur
Conditions to Avoid:	None.
Incompatible Materials:	Avoid contact with strong oxidizing agents and acids. Aluminum at high temperatures.
Hazardous Decomposition Products:	Combustion may produce oxides of carbon and traces of incompletely burned carbon compounds. Silicon dioxide. Fluorine compounds. Formaldehyde.

Section 11. Toxicological Information

Primary Routes of Entry:

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

Inhalation	No information available.
Ingestion:	Although ingestion is unlikely, liquid may irritate upper digestive tract if swallowed.

Skin: May cause slight skin irritation, but no significant effect.
Eyes: May cause slight eyes irritation.
Signs and Symptoms of Exposures: No information available.
Acute Toxicity: No information available.
Chronic Toxicity: No information available.
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 evidence of bioaccumulation.
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 a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local laws.
Disposing of Contaminated Packaging: Do not dispose the emptied container unlawfully.

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): None

Section 15. Regulatory Information

International Inventories:

TSCA (USA):	Listed
DSL (Canada):	No information available
ENCS (Japan)	Listed
REACH (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
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:	1
Physical Hazard:	0
Personal Protection Equipment:	C

NFPA Rating

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

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