



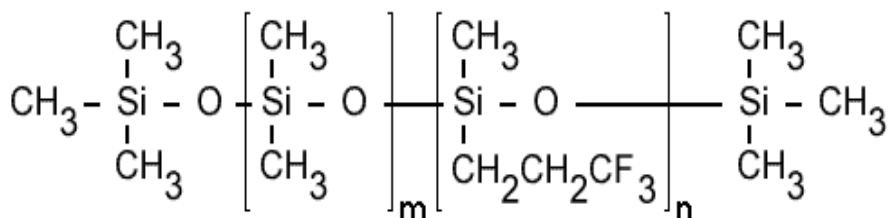
**ADVANCED POLYMER, INC.**

GET THE API ADVANTAGE . . .

## APS-692

APS-692 is a fluorine modified silicone fluid that exhibits a low coefficient of friction and excellent release properties. APS-692 is well suited for use as a specialty lubricant additive or as a mold release agent.

### CHEMICAL STRUCTURE



### APPLICATIONS

- ▯ Lubricant Additive
- ▯ Release Agent
- ▯ Defoaming Agent
- ▯ Additive to Improve Chemical Resistance

### STORAGE

When stored in a sealed container at temperatures between 5°C and 30°C, APS-692 has a prolonged shelf life.

### PACKAGING

APS-692 is available in 8 oz. samples and 440-lb. drums.

### TYPICAL PROPERTIES

|                            |                       |
|----------------------------|-----------------------|
| Appearance:                | Clear, odorless fluid |
| Ionic Nature               | Nonionic              |
| Viscosity (@ 25°C):        | 10,000 cstk           |
| Refractive Index (@ 25°C): | 1.382                 |
| Specific Gravity (@ 25°C): | 1.30                  |

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

## APS – 692

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### Section 1. Product and Company Identification

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Product Name: **APS – 692**  
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

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### Section 2. Hazards Identification

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#### 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:** None

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### Section 3. Composition/Information on Ingredients

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

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### Section 4. First Aid Measures

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**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.

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## Section 5. Firefighting Measures

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- Fire and Explosion Hazard:** Not considered flammable nor combustible, but will burn if involved in a fire.
- Fire Extinguishing Media:** Foam, Dry Chemical, CO<sub>2</sub>
- Unsuitable Extinguishing Media:** None
- Hazardous Combustion Products:** Burning can produce hydrogen fluoride, toxic and corrosive gas.
- Special Fire Fighting Information:** Evacuate personnel to a safe area. Wear a self-contained breathing apparatus. Wear full protective equipment.

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## Section 6. Accidental Release Measures

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- 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.

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## Section 7. Handling and Storage

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- 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 from freezing. Keep away from heat, sparks and flame.

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## Section 8. Exposure Control/Personal Protection

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- 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.

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## Section 9. Physical and Chemical Properties

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- Physical State:** Liquid

|                                   |                        |
|-----------------------------------|------------------------|
| <b>Color:</b>                     | Transparent, Colorless |
| <b>Odor:</b>                      | Odorless               |
| <b>Odor Threshold:</b>            | N/A                    |
| <b>% Non-volatile by Weight:</b>  | N/A                    |
| <b>pH:</b>                        | N/A                    |
| <b>Specific Gravity (77°F):</b>   | 1.27                   |
| <b>% Volatile by Weight:</b>      | 0.5 max                |
| <b>Melting Point:</b>             | N/A                    |
| <b>Freezing Point:</b>            | N/A                    |
| <b>Boiling point:</b>             | N/A                    |
| <b>Flash Point:</b>               | >260°C (Open Cup)      |
| <b>Evaporation Rate (BuAc=1):</b> | Negligible             |
| <b>Flammability:</b>              | N/A                    |
| <b>Explosion Limits:</b>          | N/A                    |
| <b>Vapor Pressure (mmHg):</b>     | Negligible             |
| <b>Vapor Density (Air=1):</b>     | N/A                    |
| <b>Solubility:</b>                | Not soluble in water   |
| <b>Partition Coefficient:</b>     | N/A                    |
| <b>Auto-ignition Temperature:</b> | N/A                    |
| <b>Viscosity:</b>                 | N/A                    |
| <b>Decomposition Temperature:</b> | N/A                    |

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## Section 10. Stability and Reactivity

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|  |  |
|--|--|
| <b>Chemical Stability:</b>               | Stable   |
| <b>Hazardous Polymerization:</b>         | May not occur  |
| <b>Conditions to Avoid:</b>              | None.  |
| <b>Incompatible Materials:</b>           | Avoid contact with strong oxidizing agents and acids. Aluminum at high temperatures. |
| <b>Hazardous Decomposition Products:</b> | Combustion may produce hydrogen fluoride, a toxic and corrosive gas.                 |

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## Section 11. Toxicological Information

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### Primary Routes of Entry:

|      |     |       |     |             |    |            |     |
|------|-----|-------|-----|-------------|----|------------|-----|
| Eye: | Yes | Skin: | Yes | Inhalation: | No | Ingestion: | Yes |
|------|-----|-------|-----|-------------|----|------------|-----|

### Potential Health Effects:

|   |  |
|---|--|
| Inhalation                                | No information available.  |
| Ingestion:                                | Although ingestion is unlikely, liquid may 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:                                     | May cause transitional slight eye irritation.  |
| <b>Signs and Symptoms of Exposures:</b>   | No information available.  |
| <b>Acute Toxicity:</b>                    | No information available.  |
| <b>Chronic Toxicity:</b>                  | No information available.  |
| <b>Respiratory or Skin Sensitization:</b> | No information available.  |

**Mutagenicity:** No information available.

**Carcinogenicity:**

|       |    |      |    |       |    |
|-------|----|------|----|-------|----|
| IARC: | No | NTP: | No | OSHA: | No |
|-------|----|------|----|-------|----|

## 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): Listed  
 ENCS (Japan): Listed  
 REACH (Europe): No information available  
 IECSC (China): Listed  
 KECL (Korea): Listed

|                      |                          |
|----------------------|--------------------------|
| PICCS (Philippines): | Listed                   |
| AICS (Australia):    | Listed                   |
| 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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Prepared By ..... Advanced Polymer, Inc.  
Date Revised .....  
Revised By ..... Advanced Polymer, Inc.

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