

## APFS-74S

---

### Section 1. Product and Company Identification

---

Product Name:	APFS-74S
Chemical Name/Family:	Fluorinated surfactant
CAS No.:	Mixture
Product Use:	Paints & Coatings
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:

<b>Physical Hazards</b>	Not Classified
<b>Health Hazards</b>	
Acute toxicity - Oral	Category 5
Acute toxicity - Inhalation	Category 5
Respiratory tract irritation	Category 3
<b>Environmental Hazards</b>	Not Classified

#### GHS Label:



**Symbol:**

**Signal Word:**                      **Warning**

#### Hazard Classification:

#### **Hazard Statement:**

- May cause respiratory irritation.
- May be harmful if inhaled.
- May be harmful if swallowed.

#### **Precautionary Statement:**

#### **Prevention**

- Avoid breathing dust/fume/gas/mist/vapour/spray.
- Use only outdoors or in a well-ventilated area.

#### Response

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
Call a POISON CENTER or doctor/physician if you feel unwell.

#### Storage

Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.

#### Disposal

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

---

### Section 3. Composition/Information on Ingredients

---

Ingredients	CAS No.	Percent
There are no components contained in this material at concentrations that are considered hazardous.		

---

### Section 4. First Aid Measures

---

- Skin Contact:** Immediately wash skin with soap and water.
- Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. 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 POISON CENTER or doctor/physician if you feel unwell.
- Ingestion:** Do not induce vomiting. Immediately give 2 glasses of water. Do not give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician if you feel unwell.
- 

### Section 5. Firefighting Measures

---

- Fire and Explosion Hazard:** In case of fire or extreme heat, the following may be produced: oxides of carbon, phosphorus and toxic products such as hydrogen fluoride and other fluorinated or phosphorylated organic compounds.
- Fire Extinguishing Media:** Water spray or fog, foam, dry chemical powder or carbon dioxide.
- Unsuitable Extinguishing Media:** No information available.
- Specific Hazards in Case of Fire:** No information available.
- Special Fire Fighting Information:** A self-contained breathing apparatus and protective clothing must be worn in fighting fires involving chemicals.
- 

### 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:** Soak up with clay, sawdust, sand, oil dry or other absorbent material. Dike and contain spilled material. Remove with vacuum trucks or pump to storage containers. Properly dispose of contaminated product, absorbents and rinsates.

---

## Section 7. Handling and Storage

---

### Handling Conditions:

**Do not use APFS-74S in consumer spray applications.** APFS-74S can be used in OEM coatings that will be spray applied if proper ventilation, exhaust and respiratory safety equipment are employed. In spray applications, use airless type pressure spray equipment with spray tip pressure less than 50 psi, and exhaust ducts, drip pans or other design features to prevent worker exposure to mists and overspray. **Do not aerosolize or atomize.** Do not produce respirable particles unless suitable ventilation and respirator are used. Use soft water (greater than 25 ppm, but less than 80 ppm total hardness). Wash thoroughly after handling.

—APFS-74S is NOT SUITABLE FOR USE IN CONSUMER OR AFTERMARKET PRODUCTS THAT WILL BE SPRAY APPLIED.—

This product can be spray applied in industrial applications if proper handling and application precautions are observed.

### PRECAUTIONS FOR APPLICATION:

This product should be used only by trained personnel. **Do not under any circumstances aerosolize or atomize these products.**

**Consumer and/or aftermarket coatings** and /or finishes containing these materials must be applied via roller, brush, rag, mop or other non-spray method.

**For industrial spray applications:** these products should only be dispensed by airless sprayers less than 50 psi with a particle size production of greater than 15 microns or a coarse spray device such as a trigger sprayer. Avoid breathing vapor or spray mist. Never use a paint sprayer to apply these products. Power paint sprayers generate very high pressures, aerosolize the product and create significant combustion hazards.

A respirator must be used when spraying these products and the products should only be used in areas with proper ventilation. Avoid contact with eyes or skin. Glasses or goggles, gloves and other protective clothing should always be worn when the product is used. Avoid contamination of tobacco products. Wash hands thoroughly before smoking.

Use the proper equipment. This includes:

- Exhaust fan
- Low pressure airless sprayer (less than 50 psi)
- Respirator with organic vapor cartridge
- Glasses or goggles, gloves and protective clothing

Before you start spraying:

- Set up cross ventilation, open doors and windows, place a fan blowing out of a window or door to increase exhaust
- Remove all people and animals from the exposure area. All personnel in the exposure area wear a proper fitting respirator with organic vapor cartridge
- Turn off air conditioning or heating units and remove all ignition sources
- Use low pressure airless sprayer (less than 50 psi)

When spraying solvent-based systems, solvent will continue to evaporate after the product has been applied, so you must do the following until the solvent vapor concentration is below 300 ppm (about 60 minutes):

- Continue cross ventilation
- Keep people and animals out of the spray area
- Continue to wear respirators in the spray area
- Do not expose the treated fabric to open flame or other ignition sources (such as, matches, or cigarette lighters)

After the product dries, only the soil and stain repellent is left behind on the treated substrate. It is safe, non-hazardous and hypoallergenic. The treated substrate will be dry to the touch after 30-60 minutes and is completely dried and ready for use within 24 hours.

**Storage Conditions:** Store in a tightly closed container in a well ventilated area. Protect from freezing. Perishable if frozen. Store away from incompatible materials, sources of heat, direct sunlight or rain. \*\*\***Agitate contents of container before using**\*\*\*

---

## Section 8. Exposure Control/Personal Protection

---

**Exposure Limits:** No information available

**Appropriate engineering controls:** Provide sufficient mechanical ventilation in areas where the product may be heated or sprayed.

**Personal protective equipment:**

Respiratory Protection: Wear respirator where vaporizing occurs.

Hand Protection: Impervious gloves should be worn.

Eye Protection: Safety glasses should be worn. Safety goggles are recommended if splashing is possible.

Skin and Body Protection: Rubber apron, boots or coveralls as necessary to prevent skin contact.

Hygiene Measures: Wash hands thoroughly after use.

---

## Section 9. Physical and Chemical Properties

---

**Physical State:** Liquid

**Color:** Beige to tan colored liquid.

**Odor:** No information available.

**Odor Threshold:** No information available.

**pH:** 9.0 – 10.0

**Specific Gravity (H<sub>2</sub>O=1):** 1.07

**% Actives:** 13.0 – 14.0

**Melting Point:** No information available.

**Freezing Point:** No information available.

**Boiling point:** 100°C

**Flash Point:** >200°F (Closed Cup)

**Evaporation Rate (BuAc=1):** No information available.

**Flammability:** No information available.

**Explosion Limits:** No information available.

**Vapor Pressure (mmHg):** Similar to water

**Vapor Density (Air=1):** Similar to water

**Solubility:** Dispersible in 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

<b>Chemical Stability:</b>	Stable
<b>Hazardous Polymerization:</b>	Will not Occur
<b>Conditions to Avoid:</b>	Avoid elevated temperatures (>110°F). Keep from freezing. Do not use in consumer spray applications except in water-based coatings where maximum concentration does not exceed 0.1 % by weight.
<b>Incompatible Materials:</b>	Strong oxidizing or reducing materials.
<b>Hazardous Decomposition Products:</b>	In case of fire or extreme heat, the following may be produced: oxides of carbon, phosphorus and toxic products such as hydrogen fluoride and other fluorinated or phosphorylated organic compounds.

## Section 11. Toxicological Information

### Primary Routes of Entry:

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

### Potential Health Effects:

Inhalation	Short term inhalation of vapors is not likely to cause harmful effects. Breathing large amounts of vapor or mist may cause irritation of the nose, throat, or respiratory tract. Breathing large amounts of mist may result in pneumonitis or pulmonary edema.
Ingestion:	Swallowing large amounts may be harmful.
Skin:	Overexposure may cause defatting and mild irritation.
Eyes:	Direct contact of liquid may cause eye irritation.
Long Term Effects:	Repeated ingestion or repeated and prolonged skin exposure may have harmful effects on the liver, thyroid, and kidneys.

### Signs and Symptoms of Exposures:

<b>Acute Toxicity:</b>	No information available.
<b>Chronic Toxicity:</b>	No information available.
<b>Respiratory or Skin Sensitization:</b>	No information available.
<b>Mutagenicity:</b>	No information available.
<b>Target Organs:</b>	Lungs, Liver, Kidneys, Thyroid
<b>Carcinogenicity:</b>	

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

## Section 12. Ecological Information

<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>	Dispose in accordance with EPA, state and local regulations.
<b>Disposing of Contaminated Packaging:</b>	Dispose of as unused product.

## Section 14. Transport Information

**Land Transport (DOT):** APFS-74S is not regulated.

## Section 15. Regulatory Information

### International Inventories:

TSCA (USA)	Yes (5e; 12b)
DSL (Canada)	Yes
EINECS	No
ELINCS	No
REACH (pre-Registered)	Yes
AICS (Australia)	No
New Zealand	No
MITI/ENCS (Japan)	No
KECL (Korea)	No
PICCS (Philippines)	No
IECSC/CLECS (China)	No
Taiwan	No

### Federal Regulations:

SARA 313:	None
SARA 311/312:	Acute: Yes ; Chronic: No; Fire: No; Pressure: No; Reactivity: No
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	2
Flammability:	0
Physical Hazard:	0
Personal Protection Equipment:	X

Date Prepared ..... August 5, 2015  
 Prepared By ..... Advanced Polymer, Inc.  
 Date Revised ..... October 27, 2015  
 Revised By ..... Advanced Polymer, Inc.

THE INFORMATION AND RECOMMENDATIONS HEREIN, ARE TO THE BEST OF OUR KNOWLEDGE, TRUE AND ACCURATE. NO WARRANTY, EXPRESS OR IMPLIED, IS MADE OR INTENDED.

TO THE CUSTOMERS OF ADVANCED POLYMER, INC.

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, express or implied:

Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss of damage, direct, or consequential arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his intended use. The user assumes all risk and liability whatsoever in connection therewith.

No statement or recommendation contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer. Since the manufacturer of the product described in this technical data sheet has no means of controlling the final use of the product by the consumer for the user, it is the responsibility of the immediate purchaser and any intermediate seller or sellers to inform the user of the purposes for which the product may be fit and suitable and of the properties of the product, including the precautionary measures which must be taken in order to ensure the safety of the user and of other third persons and property.

No statement made herein shall be taken as an authorization or inducement to practice any patented invention without appropriate license.