ADVANCED POLYMER, INC.

400 Paterson Plank Road / Carlstadt, NJ 07072
Phone: (201) 933-0600 / Fax: (201) 933-8442
www.advpolymer.com

APFS – 71S

Section 1. Product and Company Identification

Product Name:	**APFS – 71S**
Chemical Name/Family:	Fluorinated surfactant
CAS No.:	Mixture
Product Use:	Wetting agent; Paint & Coatings Additive
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 Classifcation:

Physical Hazards	Not Classified
Health Hazards	
Acute Toxicity, oral	Category 4
Acute Toxicity, inhalation	Category 5
Environmental Hazards	Not Classified

GHS Label:

Symbol:

Signal Word: **WARNING**

Hazard Classification:

Hazard Statement:

Harmful if swallowed

May be harmful if inhaled

Precautionary Statement:

Prevention

Wash hands and exposed skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Response

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Rinse mouth.

IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

Storage

Disposal

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

Immediate Health Effects:
Eyes: Exposure may cause eye irritation.
Skin: Prolonged or repeated contact may cause irritation to skin.
Inhalation: Vapor or mist may be harmful.
Ingestion: Single dose oral toxicity is expected to be low. Swallowing large amounts may be harmful.

Section 3. Composition/Information on Ingredients

Ingredients	CAS No.	Percent
Fluorinated Surfactant	Mixture	~25.0
Water	7732-18-5	~75.0

Section 4. First Aid Measures

Skin Contact: Wash with plenty of soap and water. If irritation (redness, rash, blistering) develops, get medical attention.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms develop, obtain medical attention.

Inhalation: Move person to fresh air. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention.

Ingestion: Do not give anything by mouth to an unconscious person. Do NOT induce vomiting. Rinse mouth. Get medical attention.

Section 5. Firefighting Measures

Specific Hazards in Case of Fire: Combustion or thermal decomposition will evolve toxic and irritant vapours. Forms toxic fumes of hydrogen fluoride and carbonyl fluoride.

Fire Extinguishing Media: Use CO2, dry chemical, or foam.

Unsuitable Extinguishing Media: Do not use water jet.

Special Protective Equipment and Precaution for Firefighters: Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire.

Unusual Fire & Explosion Hazards: None Known

Section 6. Accidental Release Measures

Personal Precautions: Do not eat, drink or smoke when using this product.

Protective Equipment: Wear protective gloves/eye protection.

Environmental Precautions:	Do not allow to enter drains, sewers or waterways. Avoid release to the environment.
Methods and Materials for Containment and Cleaning up:	Contain spillages with sand, earth or any suitable adsorbent material. Collect spillage. Transfer to a container for disposal or recovery. Wash the spillage area with water. If possible prevent water running into sewers.

Section 7. Handling and Storage

Handling Conditions: Handle product with proper hygiene practice.

APFS-71S 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 cool, well ventilated place away from incompatible materials. Do not store near an open flame, heat, or other source of ignition. Protect material from direct sunlight.

Section 8. Exposure Control/Personal Protection

Exposure Limits:	No information available
Appropriate engineering controls:	Provide sufficient mechanical ventilation to maintain exposure below the level of overexposure from known, suspected or apparent adverse effects.
Personal protective equipment:	
Respiratory Protection:	Not normally required. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.
Hand Protection:	Gloves (Butyl rubber, Neoprene, or Natural rubber). Check with protective equipment manufacturer's data.
Eye Protection:	Safety glasses with side-shields.
Skin and Body Protection:	Wear appropriate protective clothing.
Other Protective Equipment:	Eye wash equipment and safety shower.
Hygiene Measures:	Wash hands after use.

Section 9. Physical and Chemical Properties

Physical State:	Liquid
Color:	Amber
Odor:	Slight
Odor Threshold:	No information available
% Non-volatile by Weight:	~25.0
pH:	5.0-7.0 (1% aqueous solutuon)
Specific Gravity (77°F):	1.06
% Volatile by Weight:	~75.0
Melting Point:	No information available
Freezing Point:	No information available
Boiling point:	100°C
Flash Point:	No information available
Evaporation Rate (BuAc=1):	No information available
Flammability:	No information available
Explosion Limits:	No information available
Vapor Pressure (mmHg):	No information available
Vapor Density (Air=1):	No information available
Solubility:	Soluble in water
Partition Coefficient:	No information available
Auto-ignition Temperature:	No information available
Viscosity:	No information available
Decomposition Temperature:	No information available

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Section 10. Stability and Reactivity

Chemical Stability:	Stable
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Avoid contact with heat and ignition sources.
Incompatible Materials:	This product should be stored away from sources of strong heat or oxidizing chemicals.
Hazardous Decomposition Products:	At temperatures over 200°C or under fire conditions, toxic decomposition products may form. Forms oxides of carbon, hydrogen fluoride and carbonyl fluoride.

Section 11. Toxicological Information

Primary Routes of Entry:

Eye:	Yes	Skin:	Yes	Inhalation:	Yes	Ingestion:	Yes

Potential Health Effects:

Inhalation	Vapor or mist may be harmful.
Ingestion:	Single dose oral toxicity is expected to be low. Swallowing large amounts may be harmful
Skin:	Prolonged or repeated contact may cause irritation to skin.
Eyes:	Exposure may cause irritation to eyes.

Signs and Symptoms of Exposures:

Acute Toxicity:	No Information Available
Chronic Toxicity:	No Information Available
Respiratory or Skin Sensitization:	It is not a skin sensitizer.
Mutagenicity:	No Information Available
Carcinogenicity:	1,4 Dioxane

IARC:	2B	NTP:	No	OSHA:	No

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:	None Known

Section 13. Disposal Considerations

Product:	Disposal should be in accordance with local, state or national legislation.
Disposing of Contaminated Packaging:	Dispose as unopened product.

Section 14. Transport Information

Land Transport (DOT):	**Not Regulated**
Sea Transport (IMDG):	**Not Regulated**

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Air Transport (IATA):	**Not Regulated**
Environmental Hazards (e.g., Marine pollutant):	None

Section 15. Regulatory Information

International Inventories:	
TSCA (USA):	Listed
Federal Regulations:	
SARA 313:	None
SARA 311/312:	None
Clean Water Act:	None
Clean Air Act, Section 112 HAPs (See 40CFR61):	None
State Regulations:	
Massachusetts Right to Know Components:	1,4-Dioxane CAS No: 123-91-1
New Jersey Right to Know Components:	1,4-Dioxane CAS No: 123-91-1
Pennsylvania Right to Know Components:	1,4-Dioxane CAS No: 123-91-1
California Proposition 65:	1,4-Dioxane CAS No: 123-91-1

Section 16. Other Information

WHMIS Classification:	No information available
HMIS Rating:	
Health Hazard	1
Flammability:	0
Physical Hazard:	0
Personal Protection Equipment:	X
NFPA Rating	
Health Hazard:	1
Fire Hazard:	0
Reactivity Hazard:	0

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