

## AdvaPel® 729

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### Section 1. Product and Company Identification

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Product Name:	AdvaPel® 729
Chemical Name/Family:	Fluorophosphate Ester
CAS No.:	Mixture
Product Use:	Stain and Soil Repellent
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:

<b>Physical Hazards</b>	Not Classified
<b>Health Hazards</b>	
Acute toxicity, inhalation	Category 1
Specific Target organ toxicity, repeated exposure	Category 2
<b>Environmental Hazards</b>	Not Classified

#### GHS Label:



Symbol:

Signal Word:           **Danger**

#### Hazard Classification:

#### **Hazard Statements:**

- Fatal if inhaled (aerosol)
- May cause damage to organs through prolonged or repeated exposure : liver

#### **Precautionary Statements:**

#### **Prevention**

- Do not breathe dust/fume/gas/mist/vapours/spray.
- Use only outdoors or in a well-ventilated area.
- Wear respiratory protection.

**Response:**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. Specific treatment is urgent (see supplemental first aid instructions on this SDS). Get medical advice/attention 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/national/international regulations.

**Other Hazards:** None.

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**Section 3. Composition/Information on Ingredients**

Ingredients	CAS No.	Percent
Substituted alkyl phosphate esters, ammonium salts	Proprietary	~13
Water	7732-18-5	~87

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**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:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

**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.

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**Section 5. Firefighting Measures**

**Specific Hazards in Case of Fire:** Combustion or thermal decomposition will evolve toxic and irritant vapours.

**Fire Extinguishing Media:** Water spray or fog, foam, dry chemical powder of carbon dioxide.

**Unsuitable Extinguishing Media:** No information available.

**Special Protective Equipment and Precaution for Firefighters:** A self-contained breathing apparatus and protective clothing must be worn in fighting fires involving chemicals.

**Unusual Fire & Explosion Hazards:** No information available.

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**Section 6. Accidental Release Measures**

**Personal Precautions:** Do not breathe dust / fume / gas / mist / vapors / spray  
Wash hands thoroughly after use. Ensure adequate ventilation.

**Protective Equipment:** In case of inadequate ventilation wear respiratory protection. Wear protective gloves/eye protection/face 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.

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## Section 7. Handling and Storage

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**Handling Conditions:**

**Do not use AdvaPel® 729 in consumer spray applications.** AdvaPel® 729 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.

\*Agitate Contents of Container Before Using\*

\*\*\* WARNING - PROTECT FROM FREEZING\*\*\*

In the cold months, a freeze indicator is attached to this shipment (one indicator per pallet). If the bulb on the indicator is not clear, this shipment was exposed to temperatures below 32°F (0°C). Perishable if frozen. If product is exposed, product quality testing should be performed before accepting the shipment.

AdvaPel®729 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:**

AdvaPel® products 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

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- 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. Store away from incompatible materials, sources of heat, direct sunlight or rain.

**\*\*\*Agitate contents of container before using\*\*\***

**\*\*\* WARNING - PROTECT FROM FREEZING\*\*\***

**In the cold months, a freeze indicator is attached to this shipment (one indicator per pallet). If the bulb on the indicator is not clear, this shipment was exposed to temperatures below 32°F (0°C). Perishable if frozen. In that case product quality testing should be performed before accepting the shipment.**

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## Section 8. Exposure Control/Personal Protection

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<b>Exposure Limits:</b>	No information available
<b>Appropriate engineering controls:</b>	Provide sufficient mechanical ventilation in areas where the product may be heated or sprayed.
<b>Personal protective equipment:</b>	
Respiratory Protection:	Wear respirator where vaporizing occurs.
Hand Protection:	Imperivous 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 after use.

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## Section 9. Physical and Chemical Properties

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<b>Physical State:</b>	Liquid
<b>Color:</b>	Beige/Tan
<b>Odor:</b>	No information available.
<b>Odor Threshold:</b>	No information available.
<b>pH:</b>	8.0 – 10.0
<b>Specific Gravity (H<sub>2</sub>O=1):</b>	1.03 – 1.13
<b>% Volatile by Weight:</b>	86.0 – 88.0
<b>Melting Point:</b>	No information available.
<b>Freezing Point:</b>	No information available.
<b>Boiling point:</b>	100°C

<b>Flash Point:</b>	>200°F (Closed Cup)
<b>Evaporation Rate (BuAc=1):</b>	No information available.
<b>Flammability:</b>	No information available.
<b>Explosion Limits:</b>	No information available.
<b>Vapor Pressure (mmHg):</b>	Similar To Water
<b>Vapor Density (Air=1):</b>	Similar To Water
<b>Solubility:</b>	Dispersible in water.
<b>Partition Coefficient:</b>	No information available.
<b>Auto-ignition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.
<b>Decomposition Temperature:</b>	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. Perishable if frozen. Do not use in consumer spray applications except in water-based coatings where maximum concentration does not exceed 0.1 % by weight.  *PROTECT FROM FREEZING*
<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
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### 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.

### Signs and Symptoms of Exposures:

<b>Acute Toxicity:</b>	Substituted alkyl phosphate esters, ammonium - By analogy with similar materials: Oral: LD50 > 5000 mg/kg (rat) Dermal: LD50 >5000 mg/kg (rat) Inhalation (4 hr) Approximate Lethal Concentration: 0.047 mg/l (rat)
<b>Chronic Toxicity:</b>	No information available.
<b>Specific Target organ toxicity, repeated exposure:</b>	May cause damage to organs through prolonged or repeated exposure: liver.

**Skin Sensitization:** It is not a skin sensitizer.  
**Respiratory 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 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 in accordance with EPA, state and local regulations.  
**Disposing of Contaminated Packaging:** Dispose of as unused product.

## Section 14. Transport Information

**Land Transport (DOT):** Not regulated  
**Sea Transport (IMDG):** Not regulated  
**Air Transport (IATA):** Not regulated  
**Environmental Hazards (e.g., Marine pollutant):** None

## Section 15. Regulatory Information

**International Inventories:**

TSCA (USA):	Yes – subject to 5e; 12b
DSL (Canada)	Yes
EINECS (Europe)	No
ELINCS (Europe)	No
REACH Pre-Registered	Yes
AICS (Australia)	No
ENCS (Japan)	No
KECL (Korea)	No
PICCS (Philippines)	No
IECSC (China)	No

**Federal Regulations:**

SARA 313: None  
SARA 311/312: Acute: Yes  
Chronic: Yes  
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

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**Section 16. Other Information**

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**HMIS Rating:**

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

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