

AdvaPel® 734

Section 1. Product and Company Identification

Product Name:	AdvaPel® 734
Chemical Name/Family:	Perfluoroalkylacrylate Emulsion
CAS No.:	Mixture
Product Use:	Dirt and Water 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

Section 2. Hazards Identification

GHS Classification:

Eye Irritation	Not classified
Skin Irritation	Not classified
Acute Toxicity	Not classified
Respiratory Sensitization	Not classified

GHS Label:

Symbol: None

Signal Word: None

Hazard Classification:

Hazard Statement: None

Precautionary Statement: None

Other Hazards:

Hazardous decomposition products including hydrogen fluoride and other toxic fluorinated compounds may be formed at high temperatures and during combustion. Inhalation of these compounds may result in serious lung irritation. Excessive exposure could result in delayed pulmonary edema in some cases, and on very high exposure, damage to the liver and kidneys.

Section 3. Hazardous Composition/Information on Ingredients

Ingredients	CAS No.	Percent
2-Methoxyethanol	109-86-4	≤1

Section 4. First Aid Measures

Skin Contact: Wash affected area with soap and water. Remove contaminated clothing and shoes.

- Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention.
- 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. Immediately give 2 glasses of water. Do not give anything by mouth to an unconscious person. Call a physician.

Section 5. Firefighting Measures

- Fire and Explosion Hazard:** Flammable vapor may flash back to ignition source. Burning may produce toxic vapors, including hydrofluoric acid, perfluoroisobutylene and carbonyl fluoride.
- Fire Extinguishing Media:** Alcohol foam, CO₂, dry chemical or water spray.
- 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. Evolution of acidic gases may require complete wash down of protective clothing prior to removal.

Section 6. Accidental Release Measures

- Personal Precautions:** Wash hands thoroughly after use. Ensure adequate ventilation.
- Protective Equipment:** Wear safety glasses, apron, and gloves.
- Environmental Precautions:** Avoid release into the environment.
- Methods and Materials for Containment and Cleaning up:** Soak up with sawdust, sand, oil dry or other absorbent material. As in accordance with EPA, state and local regulations.

Section 7. Handling and Storage

- Handling Conditions:** Follow safe industrial hygiene practices and wear proper protective equipment. Use only in well ventilated areas. Avoid contact with skin or eyes. Do not breathe vapor or spray. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material. If smoking tobacco becomes contaminated by this material, exposure to toxic gases through inhalation can occur. Therefore, do not smoke in the work areas and wash hands and face after handling in order to avoid transfer of material onto tobacco. *****Do not aerosolize. Agitate contents of container before using*****

AdvaPel®734 is SUITABLE FOR USE IN PRODUCTS INTENDED FOR INDUSTRIAL, AFTERMARKET OR CONSUMER APPLICATION.

With regard to application of these products, the following handling and usage practices must be observed:

PRECAUTIONS FOR SPRAY APPLICATION:

These products should be used only by trained personnel. **Do not under any circumstances aerosolize these products.**

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. Store in a well-ventilated area. Store away from 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.

Section 8. Exposure Control/Personal Protection

Exposure Limits:

No exposure limits available for the product. Excessive exposure to thermal degradation products could result in delayed pulmonary edema in some cases, and on very high exposure, damage to the liver and kidneys. These substances may include: perfluoroisobutylene (TLV = 0.01 ppm Ceiling), carbonyl fluoride (TLV = 2 ppm TWA, 5 ppm STEL), hydrogen fluoride (TLV = 2 ppm Ceiling, 0.5 ppm TWA).

Appropriate engineering controls:

Use local exhaust ventilation if material is heated above 200°C.

Personal protective equipment:

Respiratory Protection:

If material is heated above 200°C, use a positive pressure air supplied respirator or SCBA.

Hand Protection:

Impervious gloves should be worn.

Eye Protection:

Safety glasses should be worn.

Skin and Body Protection:	Rubber apron, boots or coveralls as necessary to prevent skin contact.
Other Protective Equipment:	Eyewash station and safety shower.
Hygiene Measures:	Wash hands thoroughly after handling material.

Section 9. Physical and Chemical Properties

Physical State:	Liquid
Color:	Off White/Pale Yellow
Odor:	Slightly Sweet
Odor Threshold:	No information available.
pH:	~3.5
Specific Gravity (77°F):	1.09
% Volatile by Weight:	70
% VOC:	≤1.0 (≤37 g/L) <6.0 is Exempt According to Consumer Products US EPA LVP Exemption
Melting Point:	No information available.
Freezing Point:	No information available.
Boiling point:	212°F
Flash Point:	> 200°F (Closed Cup), > 210°F (Open Cup)
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:	Miscible 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

Chemical Stability:	Stable
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Excessive heat, sparks and open flame. Protect from freezing. Perishable if frozen. PROTECT FROM FREEZING.
Incompatible Materials:	May react with metals, such as sodium, magnesium, aluminum at elevated temperatures (above 425°C); may react upon prolonged exposure to fluorine or in oxygen-fluorine mixtures at high temperatures and pressures. Contact with incompatible materials may result in fire or explosion.
Hazardous Decomposition Products:	Burning may produce toxic vapors, including hydrofluoric acid, perfluoroisobutylene and carbonyl fluoride.

Section 11. Toxicological Information

Primary Routes of Entry:

Eye:	N/A	Skin:	Yes	Inhalation:	Yes	Ingestion:	Yes
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Potential Health Effects:

Inhalation: May cause respiratory irritation.
 Ingestion: May be harmful if swallowed.
 Skin: May cause skin irritation.
 Eyes: May cause mild eye irritation.

Signs and Symptoms of Exposures:

Acute Toxicity: No information available.
Chronic Toxicity: No information available.
Respiratory or Skin Sensitization: No information available.
Mutagenicity: No information available.
Carcinogenicity: No information available.

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 of contents in accordance with local/regional/national/international regulations. DO NOT INCINERATE unless incinerator is capable of scrubbing hydrogen fluoride and other acidic combustion products.
Disposing of Contaminated Packaging: Regulations may also apply to empty containers, liners, or rinsate.

Section 14. Transport Information

Land Transport (DOT): Not regulated.
 UN Number: No information available.
 UN Proper Shipping Name: No information available.
 Transport Hazard Class: No information available.
 Packing Group: No information available.
Sea Transport (IMDG): Not regulated.
 UN Number: No information available.
 UN Proper Shipping Name: No information available.
 Transport Hazard Class: No information available.
 Packing Group: No information available.
Air Transport (IATA): Not regulated.
 UN Number: No information available.

UN Proper Shipping Name: No information available.
 Transport Hazard Class: No information available.
 Packing Group: No information available.
Environmental Hazards (e.g., Marine pollutant): No information available.

Section 15. Regulatory Information

International Inventories:

TSCA (USA):	The base polymer is subject to a consent order regarding a pre-manufacturing notice under Section 5(e) of TSCA. In addition, the base polymer is subject to export notification under Section 12(b) of TSCA.
DSL (Canada):	Listed
ENCS (Japan)	Listed
REACH (Europe):	Pre-registered
IECSC (China):	No information available.
KECL (Korea):	Listed
PICCS (Philippines):	Not Listed
AICS (Australia):	Not Listed
ERMA (New Zealand):	Not listed

Federal Regulations:

SARA 313:	2-methoxyethanol (CAS# 109-86-4)
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:	2-methoxyethanol (CAS# 109-86-4)
New Jersey Right to Know Components:	2-methoxyethanol (CAS# 109-86-4)
Pennsylvania Right to Know Components:	2-methoxyethanol (CAS# 109-86-4)
California Proposition 65:	2-methoxyethanol (CAS# 109-86-4)

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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