

AdvaPel® 805

Section 1. Product and Company Identification

Product Name:	AdvaPel® 805
Chemical Name/Family:	Fluorinated Acrylic Solution
CAS No.:	Mixture
Product Use:	Water, 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

Section 2. Hazards Identification

GHS Classification:

Physical Hazard	Category 3
Eye Irritation	Not Classified
Specific target organ toxicity, single exposure; Respiratory tract irritation	Category 3
Specific target organ toxicity, single exposure; Respiratory tract irritation	Category 2
Aspiration Hazard	Category 1
Skin Corrosion/Irritation	Category 3
Environmental Hazard	Category 4

GHS Label:

Symbol:



Signal Word:

Danger

Hazard Statement:

Flammable liquid and vapour.

May cause respiratory irritation

May be fatal if swallowed and enters airways.

May cause damage to liver, kidney, respiratory tract, stomach or central nervous system through prolonged or repeated ingestion or inhalation

Causes mild skin irritation.

May cause long lasting harmful effects to aquatic life

Precautionary Statement:

Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion proof electrical/ventilating/lightning and other equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Wear protective gloves/eye protection/face protection.

Do not breathe dust/fume/gas/mist/vapours/spray.

Use only outdoors or in a well-ventilated area.

Wash hands and exposed skin thoroughly after handling.

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

Avoid release to the environment.

Response

IF ON SKIN (or hair) Remove/Take off immediately all contaminated clothing and wash before reuse. Rinse skin with water/shower.

In case of fire: Use dry chemical, CO₂, water spray(fog) or foam.

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.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Do NOT induce vomiting.

Get medical advice/attention if you feel unwell.

If skin irritation occurs: Get medical advice/attention.

Storage:

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

Store locked up.

Disposal:

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

Potential Health Effects and Emergency Overview:

Inhalation of fine mist spray or decomposition products may cause shortness of breath and serious respiratory problems.

Repeated exposure may cause skin dryness or cracking. Mildly irritating to skin. May be irritating to the eyes, nose, throat, and lungs.

None of the components present in this material at concentrations equal or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

Section 3. Hazardous Composition/Information on Ingredients

Ingredients	CAS No.	Percent (wt%)
Fluorinated Acrylic Copolymer	Proprietary	15.0 – 20.0
n-Butyl Acetate	123-86-4	20.0 – 30.0
Mineral Spirits	Mixture	50.0 – 60.0

Section 4. First Aid Measures

- Skin Contact:** Wash affected areas with plenty of water and soap for several minutes while removing all contaminated clothes and shoes. Call a physician if irritation develops.
- Eye Contact:** First rinse eyes with water. Remove any contact lenses, and continue washing with running water for at least 15 minutes. Get medical attention.
- Inhalation:** If inhaled, remove the affected individual immediately to fresh air. Oxygen or artificial respiration if needed. Call a physician if respiratory irritation develops or if breathing becomes difficult. Symptoms may be delayed.
- Ingestion:** If swallowed seek medical attention immediately and show the doctor packing or label. Do not induce vomiting unless directed to do so by medical personnel. Do not give anything to an unconscious or convulsing person.

Section 5. Firefighting Measures

- Fire and Explosion Hazard:** Flammable liquid.. Hazardous decomposition products formed under fire conditions. Hazardous combustion products: Hydrogen fluoride, carbon dioxide, carbon monoxide and other hazardous decomposition products may be formed.
- Fire Extinguishing Media:** Use dry chemical, carbon dioxide or foam.
- Thermal Decomposition:** To avoid thermal decomposition, do not overheat. Thermal decomposition can lead to release of irritating gases and vapors.
- Special Fire Fighting Information:** Evacuate personnel to safe areas. Wear self-contained breathing apparatus and appropriate full protective equipment. Move containers from area of the fire if this can be done without risk. Cool fire-exposed containers with water. Do not allow run-off from fire-fighting to enter drains or water courses.

Section 6. Accidental Release Measures

- Personal Precautions:** Evacuate personnel to safe area. Ensure cleanup is done only by trained personnel. Material can create slippery conditions.
- Protective Equipment:** Wear personal protective equipment. Ventilate area.
- Environmental Precautions:** Do not discharge to streams, ponds, lakes or sewers. Avoid subsoil penetration.
- Methods and Materials for Containment and Cleaning up:** Remove all sources of ignition. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Soak up with sawdust, sand, oil dry or other inert absorbent material. Pick up and transfer to properly labelled containers.

Section 7. Handling and Storage

- Handling Conditions:** Do not use sparking tools. Ground containers when transferring material. Avoid formation of respirable particles. Do not breathe vapours or spray mist. Avoid

contact with skin, eyes and clothing. Wash hands thoroughly after handling.
Wash contaminated clothing before re-use. Agitate thoroughly before use.

AdvaPel® 805 is SUITABLE FOR USE IN PRODUCTS INTENDED FOR INDUSTRIAL, AFTERMARKET OR CONSUMER APPLICATION.

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: Keep container tightly closed in a dry, cool and well-ventilated place. Keep away from heat, and sunlight.

Section 8. Exposure Control/Personal Protection

Exposure Limits: None established.

Appropriate engineering controls: Local ventilation must be used during application. Use suitable ventilation to remove mists or vapors during spray or other applications.

Personal protective equipment:

Respiratory Protection: Wear suitable personal respirator and protective suit when spray or mist occurs.

Hand Protection: Wear protective gloves.

Eye Protection: Wear safety glasses with side shields or goggles.
 Skin and Body Protection: Rubber apron, boots or coveralls as necessary to prevent skin contact.
 Hygiene Measures: An eyewash and safety shower should be nearby and ready for use.

Exposure Limit Values (n-butyl acetate):

PEL (OSHA)	150 ppm	710 mg/m ³	8 hr. TWA
TLV (ACGIH)	150 ppm	TWA	
TLV (ACGIH)	200 ppm	STEL	

Section 9. Physical and Chemical Properties

Physical State: Liquid
Color: Yellow
Odor: Ester-like
Odor Threshold: N.D.
pH: N.D.
Specific Gravity (77°F): ~0.81
% Volatile by Weight: 80.0 – 85.0
Melting Point: N.D.
Freezing Point: N.D.
Boiling point: >120°C (>212°F)
Flash Point: >28°C (82°F) closed cup
Evaporation Rate (BuAc=1): N.D.
Flammability: N.D.
Explosion Limits: (lower) N/D, (upper) N/D
Vapor Pressure (mmHg): N.D.
Vapor Density (Air=1): N.D.
Solubility: Not Soluble
Viscosity: N.D.
Thermal Decomposition Temperature: N.D.

Section 10. Stability and Reactivity

Chemical Stability: Stable under normal temperature and pressure.
Hazardous Polymerization: None
Conditions to Avoid: Do not overheat to prevent from thermal decomposition.
Incompatible Materials: Strong oxidizers.
Hazardous Decomposition Products: In case of fire situation, hydrogen fluoride, carbon monoxide, carbon dioxide and other hazardous decomposition products may be formed.

Section 11. Toxicological Information

Primary Routes of Entry:

Eye:	Yes	Skin:	Yes	Inhalation:	Yes	Ingestion:	No
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Potential Health Effects and Acute Toxicity:

Inhalation: Minimally toxic.
 Ingestion: Minimally toxic.

Skin: Minimally toxic. Mildly irritating to skin with prolonged exposure.
Eyes: May cause mild, short-lasting discomfort to eyes.
Aspiration: May be fatal if swallowed and enters airways.
Chronic Toxicity: No information available
Respiratory or Skin Sensitization: Not expected to be a respiratory or skin sensitizer.
Reproductive Toxicity: Not expected to be a reproductive toxicant.
Mutagenicity: Not expected to be a germ cell mutagen.
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: As in accordance with EPA, state and local regulations. Do not dump this product into sewers, on the ground or into any body of water.
Disposing of Contaminated Packaging: Treat as unused product as above.

Section 14. Transport Information

Land Transport (DOT):

UN Number: UN1993
UN Proper Shipping Name: Flammable Liquid N.O.S. (Contains Petroleum Distillates)
Transport Hazard Class: 3
Packing Group: III
Hazard Label(s): Flammable Liquid

Sea Transport (IMDG):

UN Number: UN1993
UN Proper Shipping Name: Flammable Liquid N.O.S. (Contains Petroleum Distillates)
Transport Hazard Class: 3
Packing Group: III
Hazard Label(s): Flammable Liquid

Air Transport (ICAO/IATA):

UN Number: UN1993
UN Proper Shipping Name: Flammable Liquid N.O.S. (Contains Petroleum Distillates)
Transport Hazard Class: 3
Packing Group: III
Hazard Label(s): Flammable Liquid

Section 15. Regulatory Information

International Inventories:

TSCA (USA):	Listed
DSL (Canada):	Listed
ENCS (Japan)	No information available
EINECS (Europe):	No information available
IECSC (China):	No information available
KECL (Korea):	No information available
PICCS (Philippines):	No information available
AICS (Australia):	No information available
ERMA (New Zealand):	No information available

Federal Regulations:

SARA 313:	None
SARA 311/312:	
Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire	Yes
Reactive/Physical Hazard	No
Pressure	No
Clean Water Act:	No information available
Clean Air Act, Section 112 HAPs (See 40CFR61):	No information available

State Regulations:

New Jersey Right to Know Components:	n-butyl acetate
Pennsylvania Right to Know Components:	n-butyl acetate
California Proposition 65:	None

Section 16. Other Information

WHMIS Classification:	No information available
HMIS Rating:	
Health Hazard	3
Flammability:	3
Physical Hazard:	0
Personal Protection Equipment:	Depending on use conditions

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