



MATERIAL SAFETY DATA SHEET

HMIS RATINGS:
Health 1
Flammability 2
Reactivity 0

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ActiPel MFP

SYNONYMS: Fluoropolymer Solution

COMPANY:
Pursuit Materials, LLC
169 Delhagen Ct.
Mahwah, NJ 07430

24 HR EMERGENCY PHONE: 201-665-5702

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SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT:</u>	<u>CAS NO.</u>	<u>% WT</u>	<u>SARA 313 REPORTABLE</u>
Isopropanol	67-63-0	2-4	none
Glycol Ether EB	111-76-2	2-4	none

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Physical Properties: Clear, pale yellow liquid. pH 6.5-9.5

ROUTES OF ENTRY: Eyes, skin contact, inhalation or ingestion.

IMMEDIATE HEALTH EFFECTS

EYES: Exposure may cause irritation to eyes.

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.

SIGNS/SYMPTOMS OF OVEREXPOSURE: Irritation to the eyes, nose, throat, skin, and respiratory tract and/or gastrointestinal irritation (nausea, vomiting, diarrhea).

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

TARGET ORGAN EFFECTS: Irritation of the skin and eyes. Irritation of lungs possible if mists/aerosols are inhaled repeatedly.

REPRODUCTIVE/DEVELOPMENTAL INFORMATION: No data available.

CHRONIC HEALTH HAZARDS: No data available.

SECTION 3: HAZARDS IDENTIFICATION (continued)

CARCINOGENICITY

OSHA: None **ACGIH:** None **NTP:** : None **IARC:** : None **OTHER:** None

None of the ingredients of this material are listed as carcinogens by IARC, NTP, or OSHA.

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with water for at least 15 minutes. If irritation persists, consult a physician.

SKIN: Remove contaminated clothing. Flush skin with water for at least 15 minutes. If irritation persists, consult a physician.

INGESTION: Give 8 to 16 ounces of water to dilute substance. Consult a physician or local Poison Control Center. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If respiratory irritation or breathing difficulty develops, consult a physician.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: No Data Available
(% BY VOLUME) LOWER: No Data Available

FLASH POINT: 132°F by PMCC.

AUTOIGNITION TEMPERATURE: No Data Available

HMIS HAZARD CLASSIFICATION

HEALTH: 1 **FLAMMABILITY:** 2 **REACTIVITY:** 0

EXTINGUISHING MEDIA: Water spray, foam, dry chemical powder, or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.

HAZARDOUS DECOMPOSITION PRODUCTS: In case of fire or extreme heat, the following may be produced: oxides of carbon and toxic products such as hydrogen fluoride and other perfluorinated organic compounds.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:

SMALL SPILL: For small spills, soak up material with an absorbent such as clay, sand, or other suitable material and dispose of properly. Flush area with water to remove trace residue.

LARGE SPILL: Wear respirator and protective clothing as appropriate. Shut off source of leak if it is safe to do so. Prevent liquid from entering sewers or waterways. Dike and contain spilled material. Remove with vacuum trucks or pump to storage/salvage containers. Soak up residue with an absorbent such as clay, sand, or other suitable material. Flush area with water to remove trace residue.

SECTION 7: HANDLING AND STORAGE

HANDLING: Handle and open containers with care. Do not handle or store near an open flame, heat, or other source of ignition or in the presence of incompatible materials. Wear appropriate personal protection gear (see Section 8).

STORAGE: 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 CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide sufficient mechanical ventilation (general and local exhaust) to maintain exposure below the level of overexposure from known, suspected or apparent adverse effects.

RESPIRATORY PROTECTION: If workplace exposure limits of product or any component are exceeded, a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (consult your safety representative). Engineering controls or administrative controls should be implemented to reduce exposure.

For spray applications, use a coarse spray device such as a trigger sprayer with particle size production greater than 15 microns. Use only low pressure (less than 60 psi) sprayer. **DO NOT aerosolize or atomize. Suitable ventilation must be used during application.**

EYE PROTECTION: Wear chemical splash goggles when splashing is possible.

SKIN PROTECTION: Wear neoprene or nitrile rubber gloves. Wear impervious clothing and boots to prevent skin contact

WORK HYGIENIC PRACTICES: Do not eat, drink, smoke while handling product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, pale yellow liquid

pH AS SUPPLIED: 8.0 +/- 1.5

BOILING POINT: 212° F

VAPOR PRESSURE (mmHg): No Data Available

VAPOR DENSITY (AIR = 1): No Data Available

SOLUBILITY IN WATER: Soluble

EVAPORATION RATE: (water = 1) approximately 1

DENSITY: 1.01 +/- 0.03 g/mL

SECTION 10: STABILITY AND REACTIVITY

STABLE
X

UNSTABLE

STABILITY: Stable

CONDITIONS TO AVOID (STABILITY): Avoid contact with heat.

INCOMPATIBILITY (MATERIAL TO AVOID): Strongly alkaline materials, Lewis Acids, or magnesium, aluminum and their alloys above 212° F (100°C)

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: In case of fire or extreme heat, the following substances may be produced: toxic fumes of hydrofluoric acid and/or carbonyl difluoride.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID (POLYMERIZATION): In case of fire or extreme heat, the following substances may be produced: oxides of carbon and toxic products such as hydrogen fluoride and other perfluorinated organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: Skin absorption, eye contact, inhalation, and ingestion.

ACUTE TOXICITY: No data available.

CARCINOGENITY: None of the components of this material are listed as carcinogens by IARC, NTP, or OSHA.

TERATOGENICITY, MUTAGENICITY, OR OTHER REPRODUCTIVE EFFECTS: No data available.

CONDITIONS AGGRAVATED BY EXPOSURE: No data available.

SYNERGISTIC MATERIALS: No data available.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No Data Available

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose in accordance with all applicable federal, state, and local regulations.

RCRA HAZARD CLASS: If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40CFR261.

SECTION 14: TRANSPORT INFORMATION

In containers of 119 gallons or less this product is not regulated by DOT for domestic shipments.

Proper Shipping Name: Combustible Liquid, NOS (contains isopropanol)

Hazard Class: Combustible Liquid

Identification Number: NA 1993

Packing Group: III

International shipments, shipments by air and shipments in containers of more than 119 gallons, this product is regulated by DOT and must ship as a flammable liquid:

Proper Shipping Name: Flammable Liquid, NOS (contains isopropanol)

Hazard Class: 3

Identification Number: UN 1993

Packing Group: III

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): The intentional components of this product are listed.

CERCLA Reportable Quantities – 40CFR355 APPENDIX A: None

SARA 313 - 40CFR372.65: None

SECTION 15: REGULATORY INFORMATION (continued)

STATE REGULATIONS:

California Hazardous Substance List: None

Massachusetts Right to Know: None

New Jersey Right to Know: Glycol Ether EB (CAS 111-76-2) Isopropanol (CAS 67-63-0)

Pennsylvania Right to Know: Glycol Ether EB (CAS 111-76-2) Isopropanol (CAS 67-63-0)

SECTION 16: OTHER INFORMATION

PREPARATION INFORMATION: Prepared by Pursuit Materials, LLC
Rev. Date 11/1/09 (1)

DISCLAIMER: DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES:

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