

ProvectuPel®810

Section 1. Product and Company Identification

Product Name:	ProvectuPel®810
Chemical Name/Family:	Silicone Resin Solution
CAS No.:	Mixture
Product Use:	Super Hydrophobic Water Repellent
Restrictions:	For Industrial Use Only
Company:	Advanced Polymer.
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 Hazards

Flammable Liquids	Category 3
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Health Hazards

Skin corrosion/irritation	Category 2
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Aspiration Hazard	Category 1
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Serious Eye Damage/Eye irritation	Category 1
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Environmental Hazards

Not classified

GHS Label:



Signal Word: **Danger**

Hazard Statement

Flammable liquid and vapour
Causes skin irritation
Causes serious eye damage.
May be fatal if swallowed and enters airways

Precautionary Statements:**Prevention**

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/ and other equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wear protective gloves/eye protection/face protection.
Wash skin and other part of body thoroughly after handling.
Immediately call a POISON CENTER or doctor/physician.

Response

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Rinse skin with water/shower.
In case of fire: Use fire extinguisher use carbon dioxide, dry sand, dry chemical or alcohol resistant foam for extinction.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Do NOT induce vomiting.
Specific treatment (see Section 4 on this SDS).

Storage

Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal

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

Section 3. Composition/Information on Ingredients

Ingredients	CAS No.	Content (wt%)
Silicone Resin	Proprietary	40.0 – 60.0
n-butanol	71-36-3	1.00 – 5.00

Odorless Mineral Spirits	64742-48-9	40.0 – 60.0
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Section 4. First Aid Measures

Skin Contact:	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Inhalation:	Move the exposed person to fresh air immediately. Get medical attention if any discomfort continues. If not breathing, give artificial respiration. Give oxygen if breathing is difficult.
Ingestion:	Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

Section 5. Firefighting Measures

Fire and Explosion Hazard:	Flammable liquid and vapor. Consider possible formation of explosive mixtures with air. Never use welding or cutting torch on or near any container of this material, even if empty because an explosion could occur.
Fire Extinguishing Media:	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
Unsuitable Extinguishing Media:	Do not use water jet as an extinguisher, as this will spread the fire.
Specific Hazards in Case of Fire:	When heated and in case of fire, harmful vapours/gases may be formed.
Hazardous Combustion Products:	Thermal decomposition or combustion may liberate carbon oxides, formaldehyde, silicone dioxide, incompletely burnt hydrocarbons and other toxic gases or vapours.
Unusual Fire & Explosion Hazards:	No unusual fire or explosion hazards noted.

Section 6. Accidental Release Measures

Personal Precautions:	Avoid contact with eyes and skin. Avoid inhaling mists and vapours. Wash contaminated skin thoroughly. Evacuate personnel to safe areas. Area becomes slippery.
Protective Equipment:	Wear protective clothing as described in Section 8 of this safety data sheet.
Environmental Precautions:	Avoid release to the environment. Do not contaminate water sources or sewer. Collect and dispose of spillage as indicated in section 13.
Methods and Materials for Containment and Cleaning up:	Remove all sources of ignition. Soak up with sawdust, sand, oil dry or other absorbent material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

Section 7. Handling and Storage

Handling Conditions:	Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/ and other equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/eye protection/face protection. Wash skin and other part of body thoroughly after handling. ***Agitate contents of container before using.***
Storage Conditions:	Store at temperatures between 35°F to 95°F. Store in tightly closed original

container in a dry and cool place. Keep away from moisture and direct sunlight. Keep away from sources of ignition. Take precautionary measures against electrostatic charging. Keep away from incompatible materials.

Section 8. Exposure Control/Personal Protection

Exposure Limits:

Materials	CAS #	Type	Limit/Standard
1-Butanol	71-36-3	OSHA-PEL	300 mg/m ³ , 100ppm
Petroleum Hydrotreated Naphtha, Heavy	64742-48-9	OSHA-TWA	400 mg/m ³ , 100 ppm

Appropriate engineering controls: General ventilation so that exposure limits are not exceeded. Use explosion-proof ventilation equipment.

Personal protective equipment:

Respiratory Protection:	If engineering controls or ventilation is insufficient, suitable respiratory protection must be provided. Types of respirators to be considered for this material include: NIOSH approved air purifying respirator or full-face respirator.
Hand Protection:	For prolonged or repeated skin contact use suitable protective gloves.
Eye Protection:	Goggles/face shield are recommended.
Skin and Body Protection:	Wear suitable protective clothing such as gloves and apron as protection against splashing or contamination.
Hygiene Measures:	Avoid contact with eyes, skin and clothing. Avoid breathing dust/vapour/mist/gas/aerosol. Wash contaminated clothing before reuse. Wash hands after contact. Provide eye bath and safety shower.

Section 9. Physical and Chemical Properties

Physical State:	Liquid
Color:	Yellowish
Odor:	Mild
Odor Threshold:	No information available.
pH:	N/A
Specific Gravity (77°F):	0.87
% Volatile by Weight:	No information available
Melting Point:	No information available.
Freezing Point:	No information available.
Boiling point:	No information available.
Flash Point:	>35°C (95°F)
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:	Insoluble
Partition Coefficient:	No information available.
Auto-ignition Temperature:	No information available.

Viscosity: No information available.

Decomposition Temperature: >200°C (>392°F)

Section 10. Stability and Reactivity

Chemical Stability: Stable under normal temperature conditions and recommended use.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Avoid moisture, heat, sparks, open flames and any other ignition sources.

Incompatible Materials: Strong oxidizers, acids, alkalis and water.

Hazardous Decomposition Products: Thermal decomposition or combustion may liberate carbon oxides, other toxic gases or vapors, and small amounts of formaldehyde above about 150°C through oxidation.

Section 11. Toxicological Information

Primary Routes of Entry:

Eye:	Yes	Skin:	Yes	Inhalation:	Yes	Ingestion:	Yes
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Potential Health Effects:

Inhalation: May cause respiratory tract irritation. At higher aerosol/vapor concentrations lung damage and narcotic effects are possible.

Ingestion: Not expected in industrial use. May be fatal if swallowed or enters airways.

Skin: May cause skin irritation or skin sensitization.

Eyes: Causes severe eye irritation. May cause permanent eye damage.

Signs and Symptoms of Exposures: No information available.

Acute Toxicity: No information available.

Chronic Toxicity: No information available.

Respiratory or Skin 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: This product is ignitable. Dispose of waste and residues in accordance with local authority requirements.

Disposing of Contaminated Packaging: Completely discharge container. Observe local, state and federal regulations.

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)	Listed
EINECS (Europe):	Listed
IECSC (China):	Listed
KECL (Korea):	Listed
PICCS (Philippines):	Listed
AICS (Australia):	Listed
ERMA (New Zealand):	Not Listed

Federal Regulations:

SARA 313:	n-butanol (CAS No. 71-36-3)
SARA 311/312:	Fire: Flammable
	Health: Immediate-Acute
SARA 302:	None
Clean Water Act:	No information available.
Clean Air Act, Section 112 HAPs (See 40CFR61):	No information available.

State Regulations:

Massachusetts Right to Know Components:	n-butanol (CAS No. 71-36-3)
New Jersey Right to Know Components:	n-butanol (CAS No. 71-36-3)
Pennsylvania Right to Know Components:	n-butanol (CAS No. 71-36-3)

California Proposition 65:

None

Section 16. Other Information

WHMIS Classification: B2, D2B**HMIS Rating:**

Health Hazard 3

Flammability: 3

Physical Hazard: 1

Personal Protection Equipment: X

NFPA Rating

Health Hazard: 3

Fire Hazard: 3

Reactivity Hazard: 0

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Prepared By Advanced Polymer.

Date Revised

Revised By Advanced Polymer.

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