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PROVECTUPEL® 770

Section 1. Product and Company Identification

Product Name:	**ProvectuPel® 770**
Chemical Name/Family:	Fluorine-free Nonionic Polymer
CAS No.:	Mixture
Product Use:	Water Repellent for Textile
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 Classifcation:

Sensitization, Skin — Category 1

GHS Label:

Symbol:

Signal Word: Warning

Hazard Classification:

Hazard Statement:

May cause an allergic skin reaction

Precautionary Statement:

Prevention:

Avoid breathing dust/fume/gas/mist/vapours/spray.

Contaminated work clothing should not be allowed out of the workplace

Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

IF ON SKIN: Wash with plenty of water and soap.
Specific treatment (see supplemental first aid instructions on this SDS).
If skin irritation or rash occurs: Get medical help.
Take off contaminated clothing and wash it before reuse.

Storage:

No storage statement required under GHS however refer to Section 7 for current storage conditions.

Disposal:

Dispose of contents/container in accordance with local/regional/national/ international regulation (to be specified).

Section 3. Composition/Information on Ingredients

Ingredients	CAS No.	Percent
Nonionic Polymer	Proprietary	~19

Section 4. First Aid Measures

Skin Contact: In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse

Eye Contact: Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.

Inhalation: If inhaled, remove to fresh air. Get medical attention if symptoms occur.

Ingestion: If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.

Section 5. Firefighting Measures

Specific Hazards in Case of Fire: Vapor may form explosive mixture with air. Exposure to combustion products may be a hazard to health.

Fire Extinguishing Media: CO2, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam. Dry Chemical.

Unsuitable Extinguishing Media: Water with full jet.

Special Protective Equipment and Precaution for Firefighters: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit…) in accordance with directive 89/654/EC.

Unusual Fire & Explosion Hazards: As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk. In case of fire the following can be released: Nitgren oxide (NOx), Carbon monoxide (CO), Carbon Dioxide (CO2), and Silicon dioxide (SiO2.

Section 6. Accidental Release Measures

Personal Precautions: Keep people at a distance and stay upwind. Keep away from ignition sources. Isolate leaks provided that there is no addition risk for the people perforing this task. Follow safe handling advice (see section 7).

Protective Equipment:	Use personal protective equipment, and personal protective equipment recommendation (see section 8).
Environmental Precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g., by containment or oil barriers). Retain and dispose of contaminated wash water. Do not allow to enter sewers/ surface or ground water. Local authorities should be advised if significant spillages cannot be contained.
Methods and Materials for Containment and Cleaning up:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Do not absorb in sawdust or other combustible absorbents. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

Section 7. Handling and Storage

Handling Conditions:	Wear protective gloves/ protective clothing/ eye protection/ face protection. Do not get on skin or clothing. Avoid breathing mist or vapors. Do not swallow. Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment Take care to prevent spills, waste and minimize release to the environment. Use only with adequate ventilation. Keep receptacles tightly sealed. Do not eat or drink during the process, wash hands afterwards with suitable cleaning products. ***Agitate thoroughly before use***
Storage Conditions:	Use polyolefine receptacles. Store away from oxidizing agents. Avoid sources of heat radidaton, static electricity and contact with food. Keep in properly labeled container. Recommended storage 5 – 30°C. Protect from freezing.

Section 8. Exposure Control/Personal Protection

Exposure Limits:	No information available.
Appropriate engineering controls:	Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.
Personal protective equipment:	
Respiratory Protection:	General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
Hand Protection:	Chemical-resistant gloves.
Eye Protection:	Safety glasses.
Skin and Body Protection:	Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Skin contact must be

	avoided by using impervious protective clothing (gloves, aprons, boots, etc).
Other Protective Equipment:	Eye wash equipment and safety shower.
Hygiene Measures:	If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink, or smoke. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before re-use.

Section 9. Physical and Chemical Properties

Physical State:	Liquid
Color:	White
Odor:	Slightly characteristic odor
Odor Threshold:	ND
% Non-volatile by Weight:	~19%
pH:	~5.0
Specific Gravity (77°F):	1.01
% Volatile by Weight:	~81%
Melting Point:	No information available
Freezing Point:	No information available
Boiling point:	No information available
Flash Point:	No information available
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:	Soluble 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 under recommended storage conditions.
Hazardous Polymerization:	Vapors may form explosive mixture with air. Can react with strong oxidizing agents
Conditions to Avoid:	No further relevant information available.
Incompatible Materials:	Strong oxidizers, strong alkalis, strong acids, and strong bases.
Hazardous Decomposition Products:	No hazardous decomposition products are known.

Section 11. Toxicological Information

Primary Routes of Entry:

Eye:	Yes	Skin:	Yes	Inhalation:	Yes	Ingestion:	Yes

Potential Health Effects:

Inhalation	No information available
Ingestion:	No information available
Skin:	May cause allergic skin reaction.
Eyes:	May cause mild eye irritation
Signs and Symptoms of Exposures:	No information available
Acute Toxicity:	Dialuminium Chloride Pentahyroxide
	Inhalation: (Rat) 4-hour(s) LC50 > 5 mg/L
	Oral (Rat): LD50 > 9187 mg/kg
	Skin (Rat): LD50 > 2000 mg/kg
Chronic Toxicity:	Not classified based on available information.
Serious eye damage/eye irritation:	Not classified based on available information.
Skin corrosion/ Irritation:	Not classified based on available information.
Respiratory or Skin Sensitization:	May cause an allergic skin reaction.
Specific target organ toxicity, single exposure)	Not classified based on available information.
Specific target organ toxicity, repeated exposure):	Not classified based on available information.
Skin sensitization:	May cause an allergic reaction.
Reproductive toxicity:	Not classified based on available information.
Mutagenicity:	Not classified based on available information.
Carcinogenicity:	

IARC:	No	NTP:	No	OSHA:	No

Section 12. Ecological Information

Ecotoxicity (Aquatic and Terrestrial):	No further relevant infromation available.
Bioaccumulative Potential	No further relevant infromation available.
Mobility in Soil:	No further relevant infromation available.
PBT and vPvB Assessment:	Product fails to meet PBT/vPvB criteria
Other Adverse Effects:	No further relevant infromation available.

Section 13. Disposal Considerations

Product:	Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.
Disposing of Contaminated Packaging:	Empty remaining contents. Dispose of an unused product. Do not re-use empty containers. Dispose of in accordance with local regulations.

Section 14. Transport Information

Land Transport (DOT):	Not Regulated
UN Number:	NA
UN Proper Shipping Name:	NA
Transport Hazard Class:	NA

Packing Group:	NA
Sea Transport (IMDG):	Not Regulated
UN Number:	NA
UN Proper Shipping Name:	NA
Transport Hazard Class:	NA
Packing Group:	NA
Air Transport (IATA):	Not Regulated
UN Number:	NA
UN Proper Shipping Name:	NA
Transport Hazard Class:	NA
Packing Group:	NA
Environmental Hazards (e.g., Marine polluant):	None

Section 15. Regulatory Information

International Inventories:

TSCA (USA):	Listed
DSL (Canada):	No information available
ENCS (Japan)	No information available
REACH (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:	Immediate health hazard (acute):	Yes
	Delayed health hazard (chronic):	No
	Fire hazard:	No
	Sudden release of pressure hazard:	No
	Reactive hazard:	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:	None listed.
New Jersey Right to Know Components:	Isobutyl methyl ketone (CAS # 108-10-1)
Pennsylvania Right to Know Components:	Isobutyl methyl ketone (CAS # 108-10-1)
California Proposition 65:	WARNING: This product can expose you to chemicals including Isobutyl methyl ketone, which is/are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Section 16. Other Information

WHMIS Classification:

HMIS Rating:

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

NFPA Rating

Health Hazard:	1
Fire Hazard:	1
Reactivity Hazard:	0

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