

Provectupel® 753

Section 1. Product and Company Identification

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| Product Name: | Provectupel® 753 |
| Chemical Name/Family: | Silane/siloxane Emulsion |
| CAS No.: | Mixture |
| Product Use: | Water Repellent |
| Restrictions: | 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 | Not Classified |
| Health Hazards | |
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 1 |
| Reproductive toxicity | Category 2 |
| Environmental Hazards | Not Classified |

GHS Label:



Symbol:

Signal Word: **Danger**

Hazard Classification:

Hazard Statement:

- Causes skin irritation
- Causes serious eye damage
- Suspected of damaging fertility or the unborn child

Precautionary Statement:

Prevention

Wash hands and contaminated skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Use personal protective equipment as required.

Response

IF ON SKIN: Wash with plenty of soap and water.
Specific treatment (see supplemental first aid instructions on this SDS).
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.
Immediately call a POISON CENTER or doctor/physician.
IF exposed or concerned: Get medical advice/attention.

Storage

Store locked up.

Disposal

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

Other Hazards:

No information available.

Section 3. Hazardous Composition/Information on Ingredients

| Ingredients | CAS No. | Percent (%) |
|------------------------------|-------------|-------------|
| Silane/Siloxane blend | Proprietary | 50 |
| Octamethylcyclotetrasiloxane | 556-67-2 | ≤1 |

Section 4. First Aid Measures

Skin Contact: Wash affected areas with plenty of water and soap for several minutes. Call a physician if irritation develops.
Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
Inhalation: If inhaled, remove the affected individual immediately to fresh air. Call a physician if respiratory irritation develops or if breathing becomes difficult.
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

Specific Hazards in Case of Fire: The product itself will flash but not sustain combustion. Hydrolyzes on contact with moisture releasing ignitable vapors. Hazardous decomposition products formed under fire conditions. Hazardous combustion products:

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| | carbon dioxide, silicon dioxide, nitrogen oxides, carbon monoxide, formaldehyde and other hazardous decomposition products may be formed. To avoid thermal decomposition, do not overheat. Thermal decomposition can lead to release of irritating gases and vapors. |
| Fire Extinguishing Media: | Use alcohol-resistant foam, dry chemical, carbon dioxide, or water in large amounts for surrounding fire. |
| Unsuitable Extinguishing Media: | None known. |
| Special Protective Equipment and Precaution for Firefighters: | 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 firefighting to enter drains or water courses. |
| Unusual Fire & Explosion Hazards: | None known. |

Section 6. Accidental Release Measures

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| Personal Precautions: | Evacuate personnel to safe area. Ensure cleanup is done only by trained personnel. Material can create slippery conditions. Avoid contact with eyes and skin. Avoid inhaling mists and vapours. |
| Protective Equipment: | Wear personal protective equipment. Ventilate area and exhaust vapours. |
| Environmental Precautions: | Do not discharge to streams, ponds, lakes or sewers. Avoid subsoil penetration. |
| Methods and Materials for Containment and Cleaning up: | Soak up with sawdust, sand, oil dry or other absorbent material. Pick up and transfer to properly labelled containers. Do not flush away with water. |

Section 7. Handling and Storage

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| Handling Conditions: | Avoid contact with skin, eyes, and clothing. Do not breathe vapors, mists, or gas. Wash hands thoroughly after handling. Do not spray near open flame or heated surface. Agitate thoroughly before use. Avoid formation of aerosols. |
| Storage Conditions: | Keep container tightly closed in a dry, cool, and well-ventilated place with temperatures 0°C - 40°C. Keep away from heat, and sunlight. *** 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. If product is exposed, product quality testing should be performed before accepting the shipment. |

Section 8. Exposure Control/Personal Protection

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| Exposure Limits: | None established. |
| Appropriate engineering controls: | Adequate ventilation must be used during application. Use suitable local exhaust to remove mists or vapors during spray or other applications. |
| Personal protective equipment: | |
| Respiratory Protection: | Wear respirator where spraying or vaporizing occurs. A NIOSH approved air purifying respirator is recommended if overexposure to dusts, mists, or vapors could occur. |
| 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.

Section 9. Physical and Chemical Properties

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| Physical State: | Liquid Emulsion |
| Color: | Translucent to milky white |
| Odor: | Slight |
| Odor Threshold: | N.D. |
| pH: | ~5.0 |
| Specific Gravity (77°F): | 1.00 |
| % Active: | 50% |
| Melting Point: | N.D. |
| Freezing Point: | N.D. |
| Boiling point: | >100°C (>212°F) |
| Flash Point: | ≥93°C (200°F) |
| 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: | Dilutable in water |
| Viscosity: | N.D. |
| Thermal Decomposition Temperature: | N.D. |

Section 10. Stability and Reactivity

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| Chemical Stability: | Stable under normal temperature and pressure. |
| Hazardous Polymerization: | None |
| Conditions to Avoid: | Do not overheat to prevent from thermal decomposition. |
| Incompatible Materials: | Acids, alkalis. Reaction causes the formation of ethanol. |
| Hazardous Decomposition Products: | In case of fire situation, carbon dioxide, silicon dioxide, nitrogen oxides, carbon monoxide, formaldehyde and other hazardous decomposition products may be formed. |

Section 11. Toxicological Information

Primary Routes of Entry:

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|------|-----|-------|-----|-------------|-----|------------|-----|
| Eye: | Yes | Skin: | Yes | Inhalation: | Yes | Ingestion: | Yes |
|------|-----|-------|-----|-------------|-----|------------|-----|

Potential Health Effects:

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| Inhalation | Exposure to vapor or mist from aerosol may be hazardous to health and may cause headache, nausea and irritation of the nose, throat and lungs. Inhalation of decomposition products in high concentration may cause shortness of breath (lung edema). |
| Ingestion: | Not expected. May be harmful if swallowed. |
| Skin: | May cause skin irritation. |
| Eyes: | May cause eye irritation. |

Signs and Symptoms of Exposures: This material releases ethanol upon hydrolysis; which is an irritant to the eyes and mucous membranes. Overexposure has been shown to cause central nervous system depression. Direct contact with the eyes will cause burning and stinging.

Acute Toxicity: No information available

Chronic Toxicity: May cause sensitization by skin contact.

Mutagenicity: No information available

Reproductive toxicity: No information available

Carcinogenicity:

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|-------|----|------|----|-------|----|
| IARC: | No | NTP: | No | OSHA: | No |
|-------|----|------|----|-------|----|

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. Dispose according to State and Federal Laws.

Disposing of Contaminated Packaging: Treat as unused product as above.

Section 14. Transport Information

Land Transport (DOT): **Not Regulated**

UN Number: Not Applicable

UN Proper Shipping Name: Not Applicable

Transport Hazard Class: Not Applicable

Packing Group: Not Applicable

Sea Transport (IMDG): **Not Regulated**

UN Number: Not Applicable

UN Proper Shipping Name: Not Applicable

Transport Hazard Class: Not Applicable

Packing Group: Not Applicable

Air Transport (IATA): **Not Regulated**

UN Number: Not Applicable

UN Proper Shipping Name: Not Applicable

Transport Hazard Class: Not Applicable

Packing Group: Not Applicable

Environmental Hazards (e.g., Marine pollutant): None

Section 15. Regulatory Information

International Inventories:

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| TSCA (USA): | Listed |
| DSL (Canada): | One ingredient is not listed in DSL but listed in NDSL. |
| ENCS (Japan) | No information available |
| EINECS (REACH): | Listed |
| IECSC (China): | Listed |
| KECL (Korea): | Listed |
| PICCS (Philippines): | Listed |
| AICS (Australia): | No information available |
| ERMA (New Zealand): | Listed |

Federal Regulations:

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| 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:

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| Massachusetts Right to Know Components: | Not Regulated |
| New Jersey Right to Know Components: | Not Regulated |
| Pennsylvania Right to Know Components: | Not Regulated |
| California Proposition 65: | None listed |

Section 16. Other Information

WHMIS Classification: No information available

HMIS Rating:

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| Health Hazard | 2 |
| Flammability: | 1 |
| Reactivity: | 0 |
| Personal Protection Equipment: | X |

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