SECTION 1. IDENTIFICATION

Product Identifier: PU-200
Other Means of Identification: Liquid Rubber Smooth Polyurethane Coating
Recommended Use: Single component protective waterproof coating
Restrictions on Use: Between 5 and 60°C
Initial Supplier Identifier: Advanced Protective Coatings Inc.
Emergency Telephone: +1 905-829-1133

SECTION 2. HAZARD IDENTIFICATION

Classification: None, not regulated
Label Elements: None, not regulated
Other Hazards: None, not regulated

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Concentration (%w/w)</th>
<th>Common Name / Synonyms</th>
<th>Other Identifiers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complex blend of Dispersed polymers</td>
<td>9003-55-8, 9010-98-4, 25085-34-1</td>
<td>60-90</td>
<td>Polystyrenated acrylate and butadiene copolymers</td>
<td>n/a</td>
</tr>
<tr>
<td>Anionic surfactants</td>
<td>143-18-0</td>
<td>0.5-2.0</td>
<td>emulsifiers</td>
<td>n/a</td>
</tr>
<tr>
<td>Mineral fillers</td>
<td>471-34-1, 14808-60-7</td>
<td>10-30</td>
<td>Silica Sand, Calcium Carbonate</td>
<td>n/a</td>
</tr>
<tr>
<td>Propylene butyl glycol ether</td>
<td>5131-66-8</td>
<td>1-5</td>
<td>Glycol Ether</td>
<td>n/a</td>
</tr>
<tr>
<td>N-methyl-2 pyrrolidone</td>
<td>872-50-04</td>
<td>1</td>
<td>N-Methylpyrrolidione</td>
<td>n/a</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>5-25</td>
<td>n/a</td>
<td>n/a</td>
</tr>
</tbody>
</table>

SECTION 4. FIRST-AID MEASURES

Inhalation: Remove to fresh air; seek medical attention
Skin Contact: This is an alkaline product. If splashed on the skin immediately wash thoroughly with fresh water. If the product has dried on the skin massage the area with medical grade mineral oil, baby oil or edible oil, then wash with soap and water. If irritation persists seek medical attention
Eye Contact: Flush thoroughly with fresh water for at least ten minutes. Seek medical attention
Ingestion: DO NOT INDUCE VOMITING. Seek medical attention.
Most Important Symptoms and Effects, Acute and Delayed: n/a
Immediate Medical Attention and Special Treatment: See above
SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media:
Suitable Extinguishing Media: n/a. Product not flammable
Unsuitable Extinguishing Media: n/a. Product not flammable
Specific Hazards Arising from the Product: n/a. Product not flammable
Special Protective Equipment and Precautions for Fire-Fighters: n/a. Product not flammable

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures
Respiratory protection: This product contains no volatile organic compounds
Ventilation: No special conditions required

Methods for Containment and Cleaning Up
In the event of a spill: Dike and contain, transfer to containers for recovery or disposal. Keep out of sewers.
Waste disposal method: Follow federal, provincial and local regulations regarding disposal.

Storage and handling conditions: Store above 5C.
Special shipping information: Not regulated by the Transportation of Dangerous Goods Regulations.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling
Keep containers tightly closed when not in use.

Conditions for Safe Storage
Store within the temperature range 10-50°C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate Engineering Controls

Individual Protection Measures
Protective gloves, long sleeves, long trousers recommended

Eye/Face Protection
Safety glasses/splash goggles

Skin Protection
Protective gloves, long sleeves, loose clothing

Respiratory Protection
Face mask if product to be sprayed

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Clear or coloured liquid
Odour
No Odour
Odour Threshold
n/a
pH
8-10
Melting Point and Freezing Point
0°C
Initial Boiling Point and Boiling Range
100°C
Flash Point
n/a
Evaporation Rate
water
Flammability (solid, gas)
n/a, non-flammable
Upper and Lower Flammability or Explosive Limit
n/a
Vapour Pressure
17 mm Hg @20°C (water)
Vapour Density (air = 1) >1
Relative Density (water = 1) 1.25
Solubility in Water Completely miscible
Solubility in Other Liquids Miscible with most water compatible liquids and solutions
Partition Coefficient, n-Octanol / Water (Log Kow) n/a
Auto-ignition Temperature n/a, non-flammable
Decomposition Temperature n/a, non-flammable
Viscosity 10000-15000 CPs (Brookfield)

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Stable
Chemical Stability: Will react with alkaline sensitive materials such as acids and certain metals
Possibility of Hazardous Reactions: Long term contact, such as extended immersion of reactive metals such as aluminum or magnesium in the liquid form could result in gas formation.
Conditions to Avoid: Alkaline sensitive materials
Incompatible Materials: Water insoluble solvent
Hazardous Decomposition Products: If the dry cured product is heated above 200°C, hazardous vapours including carbon monoxide, hydrogen chloride, organic acids and aldehydes could be released.
Hazardous polymerization: Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalation, Skin contact, Eye contact, Ingestion

Acute Toxicity
LC50
LD50 (oral) >5000 mg/kg (rat)
LD50 (dermal) >2000 mg/kg

Skin Corrosion / Irritation
Serious Eye Damage / Irritation See Section 4 above

STOT (Specific Target Organ Toxicity) - Single Exposure n/a
Aspiration Hazard Only if sprayed into air
STOT (Specific Target Organ Toxicity) - Repeated Exposure n/a
Respiratory and/or Skin Sensitization n/a

Carcinogenicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>IARC</th>
<th>ACGIH®</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non carcinogenic</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
</tr>
</tbody>
</table>

Reproductive Toxicity
   Development of Offspring: n/a
   Sexual Function and Fertility: n/a
   Effects on or via Lactation: n/a
   Germ Cell Mutagenicity: n/a
   Interactive Effects: n/a
SECTION 12. ECOLOGICAL INFORMATION (section heading must appear; all content is optional)

Ecotoxicity: n/a
Persistence and Degradability: n/a
Bioaccumulative Potential: n/a
Mobility in Soil: n/a
Other Adverse Effects: n/a

SECTION 13. DISPOSAL CONSIDERATIONS (section heading must appear; all content is optional)

Disposal Methods: In the event of a spill: Dike and contain, transfer to containers for recovery or disposal. Keep out of sewers.
Waste disposal: Follow federal, provincial and local regulations regarding disposal.

SECTION 14. TRANSPORT INFORMATION (section heading must appear; all content is optional)

<table>
<thead>
<tr>
<th>Regulation</th>
<th>UN No.</th>
<th>Proper Shipping Name</th>
<th>Technical Name (for N.O.S. entry)</th>
<th>Transport Hazard Class(es)</th>
<th>Packing Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not regulated</td>
<td>n/a</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Special Precautions: Not classified as dangerous in the meaning of transport regulations.
Environmental Hazards: n/a
Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not regulated

SECTION 15. REGULATORY INFORMATION (section heading must appear; all content is optional)

Safety, Health and Environmental Regulations: n/a

SECTION 16. OTHER INFORMATION

Date of Latest Revision December 1, 2017

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