SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

1.1 Trade Name (as labeled): Pave Cure WW - 300
Synonyms: N/A
CAS No: Mixture

1.2 Product Use: Concrete paving curing compound

1.3 Company Name: SpecChem
Company Address: 1511 Baltimore Ave; Suite 600
Company Address Cont: Kansas City, MO 64108
Business Phone: (816) 968-5600
Website: www.specchemllc.com

1.4 Emergency Telephone Number: Chemtrec: (800) 424-9300
Date of Last Revision: April 10, 2015
Date of Current Revision: July 1, 2018

SECTION 2 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This product is a white liquid with a characteristic hydrocarbon odor.
Health Hazards: May cause skin irritation.
Flammability Hazards: This product is not a flammable liquid.
Reactivity Hazards: None.
Environmental Hazards: The environmental effects of this product have not been investigated, however release may cause long term adverse environmental effects.

US DOT Symbols: Not regulated

EU and GHS Symbols

Signal Word: Danger

2.1 EU Labeling and Classification: This product meets the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.
EU HAZARD CLASSIFICATION OF INGREDIENTS PER DIRECTIVE 1272/2008/EC:
Index Number: 204-007-1 is not listed in Annex I
Substances not listed either individually or in group entries must be self classified.
Components Contributing to Classification: Slack Wax, Oleic Acid, Titanium Dioxide

2.2 Label Elements:
GHS Hazard Classifications:
- Skin Irritation Category 2
- Carcinogenicity Category 1B

Hazard Statements:
- H315 Causes skin irritation
- H350 May cause cancer
Precautionary Statements:

P280 Wear protective gloves.
P264 Wash thoroughly after handling
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P302+P352 IF ON SKIN: Wash with plenty of water.
P264 Wash thoroughly after handling
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P302+P352 IF ON SKIN: Wash with plenty of water.
P321 Specific treatment (see supplemental first aid instructions on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash clothing before reuse.
P308+P313 IF exposed or concerned: Get medical advice/attention.

Response Statements:

P302+P352 IF ON SKIN: Wash with plenty of water.
P321 Specific treatment (see supplemental first aid instructions on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash clothing before reuse.
P308+P313 IF exposed or concerned: Get medical advice/attention.

Storage Statements:

P405 Store locked up.

Disposal Statements:

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Health Hazards or Risks From Exposure:

Symptoms of Overexposure by Route of Exposure:
The most significant routes of overexposure for this product are by contact with skin or eyes. The symptoms of overexposure are described in the following paragraphs.

Acute:
Inhalation: No serious effects anticipated under normal conditions.
Skin Contact: May cause moderate irritation to skin. Repeated exposure may cause skin dryness or cracking.
Eye Contact: Direct contact to the eyes may be irritating.
Ingestion: May cause gastrointestinal irritation, nausea, and vomiting.

Chronic: Repeated exposure may cause skin dryness or cracking.

Target Organs:
Acute: Skin.
Chronic: Skin.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Ingredients</th>
<th>WT%</th>
<th>CAS No.</th>
<th>EINECS No.</th>
<th>Hazard Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oleic Acid</td>
<td>0-2%</td>
<td>112-80-1</td>
<td>204-007-1</td>
<td>Skin Irrit. 2</td>
</tr>
<tr>
<td>Slack Wax</td>
<td>20-25%</td>
<td>64742-61-6</td>
<td>265-165-5</td>
<td>Carc 1B</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>2-5%</td>
<td>13463-67-7</td>
<td>236-675-5</td>
<td>Carc 2</td>
</tr>
</tbody>
</table>

Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensizers).

Note: All WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250:2000.
SECTION 4 – FIRST AID MEASURES

4.1 Description of First Aid Measures:

Eye Contact: If product enters the eyes, flush with plenty of water or eye wash solution for several minutes. Remove contacts if present and easy to do. Seek medical attention if irritation persists.

Skin Contact: Wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.

Inhalation: If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

Ingestion: If product is swallowed, call physician or poison center immediately. If professional advice is not available, do not induce vomiting. Never induce vomiting or give dilutents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

Medical Conditions Generally Aggravated By Exposure: Pre-existing skin, respiratory system or eye problems may be aggravated by prolonged contact.

4.2 Symptoms and Effects Both Acute and Delayed: Exposure to skin may cause irritation.

4.3 Recommendations to Physicians: Treat symptoms and eliminate overexposure.

SECTION 5 – FIRE FIGHTING MEASURES

5.1 Fire Extinguishing Materials:

Use the following fire extinguishing materials: Water Spray: Yes
Foam: Yes
Halon: Yes
Carbon Dioxide: Yes
Dry Chemical: Yes
Other: Any “C” Class

5.2 Unusual Fire and Explosion Hazards: Irritating and toxic fumes may be produced at high temperatures. Use of water may result if the formation of a toxic aqueous solution. Do not allow run-off from fire fighting to enter drains or water courses.

Explosive Sensitivity to Mechanical Impact: No
Explosive Sensitivity to Static Discharge: No

5.3 Special Fire-Fighting Procedures:

• Incipient fire responders should wear eye protection.
6.1 Personal Precautions, Protective Equipment and Emergency Procedures:
Use cautious judgment when cleaning up spill. Wear suitable protective clothing, gloves, and eye/face protection.

6.2 Environmental Precautions:
Construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils.

6.3 Spill and Leak Response:

Small Spills:
- Collect material via broom or mop. Place in tightly sealed containers for proper disposal.
- Approach spill areas with caution.
- If liquid was introduced, create a dike or trench to contain material.
- Soak up with absorbent material such as clay, sand or other suitable non-reactive material.

Large Spills:
- Place in leak-proof containers. Seal tightly for proper disposal.
- Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia, Japan and EU Member States (see Section 13, Disposal Considerations).
SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for Safe Handling:
To prevent eye contact under the foreseeable conditions of use, wear appropriate safety eyewear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling. Do not handle or store near heat, sparks, or flame.

7.2 Storage and Handling Practices:
Keep away from incompatible materials. Keep container closed when not in use and store in well ventilated area.

7.3 Specific Uses:
Concrete curing compound.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure Parameters:

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No.</th>
<th>OSHA PEL</th>
<th>NIOSH PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oleic Acid</td>
<td>112-80-1</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Slack Wax</td>
<td>64742-61-6</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>15 mg/mg³</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

8.2 Exposure Controls:

Ventilation and Engineering Controls: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132), or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

Respiratory Protection: Not required for properly ventilated areas. Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

Eye Protection: Safety glasses or goggles are required.
Hand Protection:
Chemical resistant gloves are required to prevent skin contact.

Body Protection:
Use body protection appropriate to task being performed.
If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee’s feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:
Appearance (Physical State and Color): White colored liquid
Odor: Slight
Odor Threshold: No data available
pH: 9.75 +/- 0.75
Melting/Freezing Point: No data available
Boiling Point: 212°F (100°C)
Flash Point: Not applicable
Flammability (Solid; Gas): Not applicable
Upper/Lower Flammability or Explosion Limits: Not data available
Vapor Pressure (mm Hg @ 20°C (68°F)): No data available
Vapor Density: Heavier than air
Relative Density: No data available
Specific Gravity: 1.0 +/- 0.01
Solubility in Water: Soluble
Weight per Gallon: 8.3 +/- 0.1
Partition Coefficient (n-octanol/water): No data available
Auto-Ignition Temperature: No data available
Decomposition Temperature: No data available
Viscosity: 50 +/- 15 cps
9.2 Other Information: No data available
**Safety Data Sheet**

**Pave Cure WW - 300**

Version 1  pg. 7

---

**SECTION 10 – STABILITY AND REACTIVITY**

**10.1 Reactivity:** This product is not reactive.
**10.2 Stability:** Stable under conditions of normal storage and use.
**10.3 Possibility of Hazardous Reactions:** Will not occur.
**10.4 Conditions to Avoid:**
Avoid excessive temperatures, exposure to sunlight, sources of ignition.
**10.5 Incompatible Substances:** Strong oxidizing agents.
**10.6 Hazardous Decomposition Products:** Carbon monoxide and dioxide smoke.

---

**SECTION 11 – TOXICOLOGY INFORMATION**

**11.1 Information on Toxicological Effects:**

<table>
<thead>
<tr>
<th>Toxicity Data</th>
<th>LD50 Oral – Rat</th>
<th>LD50 Dermal – Rabbit</th>
<th>LC50 – Fathead Minnow</th>
<th>EC50 – Water Flea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oleic Acid</td>
<td>112-80-1</td>
<td>&gt;10,000 mg/kg</td>
<td>&gt;1,000 mg/l – 96h</td>
<td>&gt;1,000 mg/l–48h</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>&gt;10,000 mg/kg</td>
<td>&gt;1,000 mg/l – 96h</td>
<td>&gt;1,000 mg/l–48h</td>
</tr>
<tr>
<td>Slack Wax</td>
<td>64742-61-6</td>
<td>&gt;5,000 mg/kg</td>
<td>&gt;1,000 mg/l – 96h</td>
<td>&gt;1,000 mg/l–48h</td>
</tr>
</tbody>
</table>

**Suspected Cancer Agent:** Ingredients within this product are found on one or more of the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are considered to be cancer-causing agents by these agencies.

**Irritancy:** Skin irritant.
**Sensitization to the Product:**
This product is not expected to cause skin sensitization.
**Germ Cell Mutagenicity:**
This product does not contain ingredients that are suspected to be a germ cell mutagenic.
**Reproductive Toxicity:**
This product is not expected to be a human reproductive toxicant.

---

**SECTION 12 – ECOLOGICAL INFORMATION**

**12.1 Toxicity:**

<table>
<thead>
<tr>
<th>Toxicity Data</th>
<th>LC50 – Fish</th>
<th>EC50 – Water Flea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oleic Acid</td>
<td>&gt;1,000 mg/l – 96h</td>
<td>&gt;1,000 mg/l–48h</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>&gt;1,000 mg/l – 96h</td>
<td>&gt;1,000 mg/l–48h</td>
</tr>
</tbody>
</table>

**12.2 Persistence and Degradability:** No specific data available on this product.
**12.3 Bioaccumulative Potential:** No specific data available on this product.
**12.4 Mobility in Soil:** No specific data available on this product.
**12.5 Results of PBT and vPvB Assessment:** No specific data available on this product.
**12.6 Other Adverse Effects:** No data available.
12.7 Water Endangerment Class: At present, there are no ecotoxicological assessments for this product.

SECTION 13 – DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods: Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Australia, EU Member States and Japan.

13.2 EU Waste Code: Not determined

SECTION 14 - TRANSPORTATION INFORMATION

14.1 U.S. Department of Transportation (DOT) Shipping Regulations: This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.
UN Identification Number: Not applicable
Proper Shipping Name: Not regulated
Hazard Class Number and Description: Not applicable
Packing Group: Not applicable
DOT Label(s) Required: Not applicable
North American Emergency Response Guidebook Number: Not applicable

14.2 Environmental Hazards: The components of this product are not designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

14.3 Special Precaution for User: None

14.4 International Air Transport Association Shipping Information (IATA): This product is not considered as dangerous goods.

14.5 International Maritime Organization Shipping Information (IMO):
UN Identification Number: Not applicable
Proper Shipping Name: Not regulated
Hazard Class Number and Description: Not applicable
Packing Group: Not applicable
EMS-No: Not applicable

SECTION 15 – REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations Specific for the Substance or Mixture: United States Regulations:
U.S. SARA Reporting Requirements: The components of this product are subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.
U.S. SARA 311/312:
Acute Health: Yes; Chronic Health: No; Fire: No; Reactivity: No
U.S. CERCLA Reportable Quantity:
Not applicable
U.S. TSCA Inventory Status:
The components of this product are listed on the TSCA Inventory or are exempted from listing.
Other U.S. Federal Regulations:
None known
California Safe Drinking Water and Toxic Enforcement Act (Proposition 66):
This product contains ingredients on the Proposition 65 Lists: Titanium Dioxide CAS# 13463-67-7
15.2 Canadian Regulations:
Canadian DSL/NDSL Inventory Status:
Components are DSL Listed, NDSL Listed and/or are exempt from listing
Other Canadian Regulations:
Not applicable
Canadian Environmental Protection Act (CEPA) Priorities Substances Lists:
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.
Canadian WHMIS Classification and Symbols:
This product is Class D2B, Materials causing other toxic effects, per WHMIS Controlled Product Regulations.

15.3 European Economic Community Information:
This product meets the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives. See Section 2 for Details.
Chemical Safety Assessment:
No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.
15.4 Australian Information for Product:
Components of this product are listed on the International Chemical Inventory list.
15.5 Japanese Information for Product:
Japanese Minister of International Trade and Industry (MITI) Status: The components of this product are not listed as Class I specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.
15.6 International Chemical Inventories:
Listing of the components on individual countries Chemical Inventories is as follows:
Australian Inventory of Chemical Substances (AICS): Listed
Korean Existing Chemicals List (ECL): Listed
Japanese Existing National Inventory of Chemical Substances (ENCS): Listed
Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed
U.S. TSCA: Listed
**SECTION 16 – OTHER INFORMATION**

Prepared By: Chris Eigbrett (MSDS to GHS Compliance)  
Date of Printing: July 1, 2018

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. SpecChem assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, SpecChem assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

**END OF SDS SHEET**