

# Safety Data Sheet



## 1. Identification

|                             |  |                         |  |
|-----------------------------|--|-------------------------|--|
| <b>Product Name:</b>        | PERMWH 5-GL EXTERIOR SATIN   | <b>Revision Date:</b>   | 5/14/2015  |
| <b>Product Identifier:</b>  | 3100   | <b>Supersedes Date:</b> | 5/6/2015   |
| <b>Product Use/Class:</b>   | Topcoat/Acrylic  |                         |  |
| <b>Supplier:</b>            | Rust-Oleum Corporation<br>11 Hawthorn Parkway<br>Vernon Hills, IL 60061<br>USA | <b>Manufacturer:</b>    | Rust-Oleum Corporation<br>11 Hawthorn Parkway<br>Vernon Hills, IL 60061<br>USA |
| <b>Preparer:</b>            | Regulatory Department  |                         |  |
| <b>Emergency Telephone:</b> | 24 Hour Hotline: 847-367-7700  |                         |  |

## 2. Hazard Identification

**EMERGENCY OVERVIEW:** Use ventilation necessary to keep exposures below recommended exposure limits, if any. May cause eye, skin, or respiratory tract irritation. KEEP OUT OF REACH OF CHILDREN. Harmful if inhaled. Causes eye irritation.

### Classification

### Symbol(s) of Product



### Signal Word

Warning

### GHS HAZARD STATEMENTS

|                                    |      |  |
|------------------------------------|------|--|
| Acute Toxicity, Dermal, category 5 | H313 | May be harmful in contact with skin.           |
| Skin Irritation, category 2        | H315 | Causes skin irritation.                        |
| Aspiration Hazard, category 2      | H305 | May be harmful if swallowed and enters airways |
| Skin Irritation, category 3        | H316 | Causes mild skin irritation                    |
| Eye Irritation, category 2B        | H320 | Causes eye irritation                          |

### GHS LABEL PRECAUTIONARY STATEMENTS

|      |  |
|------|--|
| P102 | Keep out of reach of children.   |
| P103 | Read label before use.   |
| P202 | Do not handle until all safety precautions have been read and understood.  |
| P234 | Keep only in original container.   |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray.                           |
| P262 | Do not get in eyes, on skin, or on clothing.                               |
| P264 | Wash ... thoroughly after handling.  |
| P271 | Use only outdoors or in a well-ventilated area.                            |
| P273 | Avoid release to the environment.  |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P281 | Use personal protective equipment as required.                             |
| P285 | In case of inadequate ventilation wear respiratory protection.             |

|           |  |
|-----------|--|
| P312      | Call a POISON CENTER or doctor/physician if you feel unwell.     |
| P335      | Brush off loose particles from skin.                             |
| P350      | Gently wash with plenty of soap and water.                       |
| P351      | Rinse cautiously with water for several minutes.                 |
| P374      | Fight fire with normal precautions from a reasonable distance.   |
| P402      | Store in a dry place.  |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water.                  |
| P362      | Take off contaminated clothing.                                  |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P332+P313 | If skin irritation occurs: Get medical advice/attention.         |

### 3. Composition/Information On Ingredients

#### HAZARDOUS SUBSTANCES

| <u>Chemical Name</u>                        | <u>CAS-No.</u> | <u>Wt.%<br/>Range</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|---|----------------|-----------------------|--------------------|-----------------------|
| Titanium Dioxide                            | 13463-67-7     | 10-25                 |                    |                       |
| Ethylene Glycol                             | 107-21-1       | 2.5-10                |                    |                       |
| Zinc Oxide                                  | 1314-13-2      | 1.0-2.5               |                    |                       |
| 2,2,4-Trimethyl-1,3-Pentanediol Isobutyrate | 25265-77-4     | 1.0-2.5               |                    |                       |
| Propylene Glycol Phenyl Ether               | 770-35-4       | 0.1-1.0               |                    |                       |

The text for GHS Hazard Statements shown above (if any) is given in the "16. Other Information" section.

### 4. First-aid Measures

**FIRST AID - EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

**FIRST AID - SKIN CONTACT:** Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

**FIRST AID - INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

**FIRST AID - INGESTION:** Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention. If swallowed, rinse mouth with water. If feeling unwell, get medical attention.

### 5. Fire-fighting Measures

**EXTINGUISHING MEDIA:** Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Water Fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** FLASH POINT IS TESTED TO BE GREATER THAN 200 DEGREES F. No unusual fire or explosion hazards noted. Keep containers tightly closed.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent buildup of steam. If water is used, fog nozzles are preferred.

### 6. Accidental Release Measures

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations. Do not incinerate closed containers

### 7. Handling and Storage

**HANDLING:** Wash thoroughly after handling. Wash hands before eating. Avoid contact with eyes. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin and clothing.

**STORAGE:** Keep from freezing. Keep container closed when not in use. Store in a dry, well ventilated place. Keep container tightly closed when not in use.

## 8. Exposure Controls/Personal Protection

| Chemical Name                               | CAS-No.    | Weight %<br>Less Than | ACGIH TLV-<br>TWA            | ACGIH TLV-<br>STEL            | OSHA PEL-TWA                         | OSHA PEL-<br>CEILING |
|---|------------|-----------------------|------------------------------|-------------------------------|--------------------------------------|----------------------|
| Titanium Dioxide                            | 13463-67-7 | 20.0                  | 10 mg/m3 (Total Dust)        | N.E.                          | 15 mg/m3 [Total Dust]                | N.E.                 |
| Ethylene Glycol                             | 107-21-1   | 5.0                   | N.E.                         | 39 ppm                        | N.E.                                 | N.E.                 |
| Zinc Oxide                                  | 1314-13-2  | 5.0                   | 2 mg/m3<br>(respirable dust) | 10 mg/m3<br>(respirable dust) | 5 mg/m3<br>(respirable dust or fume) | N.E.                 |
| 2,2,4-Trimethyl-1,3-Pentanediol Isobutyrate | 25265-77-4 | 5.0                   | N.E.                         | N.E.                          | N.E.                                 | N.E.                 |
| Propylene Glycol Phenyl Ether               | 770-35-4   | 1.0                   | N.E.                         | N.E.                          | N.E.                                 | N.E.                 |

### PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

**RESPIRATORY PROTECTION:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**SKIN PROTECTION:** Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

**EYE PROTECTION:** Use safety eyewear designed to protect against splash of liquids.

**OTHER PROTECTIVE EQUIPMENT:** Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application. Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

**HYGIENIC PRACTICES:** Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

## 9. Physical and Chemical Properties

|                                 |                             |  |                |
|---------------------------------|-----------------------------|--|----------------|
| <b>Appearance:</b>              | Liquid                      | <b>Physical State:</b>                         | Liquid         |
| <b>Odor:</b>                    | Ammonia Like                | <b>Odor Threshold:</b>                         | N.E.           |
| <b>Relative Density:</b>        | 1.335                       | <b>pH:</b>                                     | 8.0 - 10.0     |
| <b>Freeze Point, °C:</b>        | N.D.                        | <b>Viscosity:</b>                              | N.D.           |
| <b>Solubility in Water:</b>     | Miscible                    | <b>Partition Coefficient, n-octanol/water:</b> | No Information |
| <b>Decomposition Temp., °C:</b> | No Information              | <b>Explosive Limits, vol%:</b>                 | 0.6 - 15.3     |
| <b>Boiling Range, °C:</b>       | 0 - 471                     | <b>Flash Point, °C:</b>                        | >93            |
| <b>Flammability:</b>            | Does not Support Combustion | <b>Auto-ignition Temp., °C:</b>                | No Information |
| <b>Evaporation Rate:</b>        | Slower than Ether           | <b>Vapor Pressure:</b>                         | N.D.           |
| <b>Vapor Density:</b>           | Heavier than Air            |  |                |

(See "Other information" Section for abbreviation legend)

## 10. Stability and Reactivity

**CONDITIONS TO AVOID:** Avoid contact with strong acid and strong bases.

**INCOMPATIBILITY:** Incompatible with strong oxidizing agents, strong acids and strong alkalies.

**HAZARDOUS DECOMPOSITION:** By open flame, carbon monoxide and carbon dioxide. When heated to decomposition, it emits acrid smoke and irritating fumes.

**HAZARDOUS POLYMERIZATION:** Will not occur under normal conditions.

**STABILITY:** This product is stable under normal storage conditions.

## 11. Toxicological information

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** Causes eye irritation. Irritating, and may injure eye tissue if not removed promptly.

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** Substance may cause slight skin irritation. Low hazard for usual industrial handling or commercial handling by trained personnel.

**EFFECTS OF OVEREXPOSURE - INHALATION:** Low hazard for usual industrial handling or commercial handling by trained

personnel. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Substance may be harmful if swallowed.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** Contains Titanium Dioxide. Titanium Dioxide is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC. No significant exposure to Titanium Dioxide is thought to occur during the use of products in which Titanium Dioxide is bound to other materials, such as in paints during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of Titanium Dioxide in the formula. (Ref: IARC Monograph, Vol. 93, 2010)

**PRIMARY ROUTE(S) OF ENTRY:** Ingestion, Inhalation, Skin Absorption, Skin Contact

#### ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Chemical Name</u>                        | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|---|------------------|--------------------|-------------------|
| 13463-67-7     | Titanium Dioxide                            | >10000 mg/kg Rat | N.I.               | N.I.              |
| 107-21-1       | Ethylene Glycol                             | 4000 mg/kg Rat   | N.I.               | N.I.              |
| 1314-13-2      | Zinc Oxide                                  | >5000 mg/kg Rat  | N.I.               | N.I.              |
| 25265-77-4     | 2,2,4-Trimethyl-1,3-Pentanediol Isobutyrate | 3200 mg/kg Rat   | >15200 mg/kg Rat   | N.I.              |
| 770-35-4       | Propylene Glycol Phenyl Ether               | 2830 mg/kg Rat   | N.I.               | N.I.              |

N.I. - No Information

## 12. Ecological Information

**ECOLOGICAL INFORMATION:** Product is a mixture of listed components.

## 13. Disposal Information

**DISPOSAL INFORMATION:** Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

## 14. Transport Information

|                       | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|-----------------------|-------------------------|-----------------------------|-------------------|---------------------|
| UN Number:            | N.A.                    | N.A.                        | N.A.              | N.A.                |
| Proper Shipping Name: | Not Regulated           | Not Regulated               | Not Regulated     | Not Regulated       |
| Hazard Class:         | N.A.                    | N.A.                        | N.A.              | N.A.                |
| Packing Group:        | N.A.                    | N.A.                        | N.A.              | N.A.                |
| Limited Quantity:     | No                      | No                          | No                | No                  |

## 15. Regulatory Information

### U.S. Federal Regulations:

#### CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Acute Health Hazard, Chronic Health Hazard

#### Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| Ethylene Glycol      | 107-21-1       |
| Zinc Oxide           | 1314-13-2      |

**Toxic Substances Control Act:**

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

| <u>Chemical Name</u>                   | <u>CAS-No.</u> |
|--|----------------|
| 5-Chloro-2-Methyl-4-Isothiazolin-3-one | 26172-55-4     |
| Methyl-4-Isothiazolin-3-one            | 2682-20-4      |

**CALIFORNIA PROPOSITION 65:**

WARNING: This product contains a substance known to the State of California to cause cancer.

| <u>Chemical Name</u>        | <u>CAS-No.</u> |
|-----------------------------|----------------|
| Titanium Dioxide            | 13463-67-7     |
| Diethanolamine              | 111-42-2       |
| Crystalline Silica / Quartz | 14808-60-7     |
| Carbon Black                | 1333-86-4      |
| Ethylene Oxide              | 75-21-8        |
| Ethylbenzene                | 100-41-4       |

**CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS**

WARNING: This product contains a substance known to the State of California to cause birth defects or other reproductive harm.

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| Ethylene Oxide       | 75-21-8        |

**International Regulations:****CANADIAN WHMIS:**

This SDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

**16. Other Information****HMIS RATINGS**

Health: 2      Flammability: 1      Physical Hazard: 0      Personal Protection: X

CANADIAN WHMIS CLASS: D2B

**NFPA RATINGS**

Health: 2      Flammability: 1      Instability: 0

VOLATILE ORGANIC COMPOUNDS, g/L: 149

MSDS REVISION DATE: 5/14/2015

REASON FOR REVISION: No Information

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

**Icons for GHS Pictograms shown in Section 3 describing each ingredient:**

No GHS Pictograms exist for Section 3

Rust-Oleum Corporation believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Rust-Oleum Corporation makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.