

# Material Safety Data Sheet

24 Hour Assistance:  
1-847-367-7700  
Rust-Oleum Corp.  
www.rustoleum.com

## Section 1 - Chemical Product / Company Information

Product Name: URETHN 5-GL ULTWR POLYOL-NAVY GRAY BASE  
Revision Date: 05/17/2010  
Identification Number: 203259  
Product Use/Class: FLOOR COATING  
Supplier: Rust-Oleum Corporation  
11 Hawthorn Parkway  
Vernon Hills, IL 60061  
USA  
Manufacturer: Rust-Oleum Corporation  
11 Hawthorn Parkway  
Vernon Hills, IL 60061  
USA  
Preparer: Regulatory Department

## Section 2 - Composition / Information On Ingredients

| Chemical Name                  | CAS Number | Weight % Less |               |                |                       |                  |
|--------------------------------|------------|---------------|---------------|----------------|-----------------------|------------------|
|                                |            | Than          | ACGIH TLV-TWA | ACGIH TLV-STEL | OSHA PEL-TWA          | OSHA PEL CEILING |
| Xylene                         | 1330-20-7  | 15.0          | 100 ppm       | 150 ppm        | 100 ppm               | N.E.             |
| Titanium Dioxide               | 13463-67-7 | 15.0          | 10 mg/m3      | N.E.           | 15 mg/m3 (Total Dust) | N.E.             |
| Solvent Naptha, Light Aromatic | 64742-95-6 | 10.0          | N.E.          | N.E.           | N.E.                  | N.E.             |
| 1,2,4-Trimethylbenzene         | 95-63-6    | 10.0          | 25 ppm        | N.E.           | N.E.                  | N.E.             |
| Ethylbenzene                   | 100-41-4   | 5.0           | 100 ppm       | 125 ppm        | 100 ppm               | N.E.             |
| n-Butyl Acetate                | 123-86-4   | 5.0           | 150 ppm       | 200 ppm        | 150 ppm               | N.E.             |
| Ethyl 3-Ethoxypropionate       | 763-69-9   | 5.0           | N.E.          | N.E.           | N.E.                  | N.E.             |
| 1,3,5-Trimethylbenzene         | 108-67-8   | 5.0           | 25 ppm        | N.E.           | N.E.                  | N.E.             |
| Carbon Black                   | 1333-86-4  | 1.0           | 3.5 mg/m3     | N.E.           | 3.5 mg/m3             | N.E.             |

## Section 3 - Hazards Identification

\*\*\* Emergency Overview \*\*\*: No Information.

Effects Of Overexposure - Eye Contact: No Information.

Effects Of Overexposure - Skin Contact: No Information.

Effects Of Overexposure - Inhalation: No Information.

Effects Of Overexposure - Ingestion: No Information.

Effects Of Overexposure - Chronic Hazards: Contains Titanium Dioxide. Titanium Dioxide is listed as a Group 2B- "Possibly carcinogenic to humans" by IARC. Significant exposure is not anticipated 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.

IARC lists Ethylbenzene as a possible human carcinogen (group 2B). Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and nervous system damage.

Contains carbon black. Chronic inflammation, lung fibrosis, and lung tumors have been observed in some rats experimentally exposed for long periods of time to excessive concentrations of carbon black and several insoluble fine dust particles. Tumors have not been observed in other animal species (i.e., mouse and hamster) under similar circumstances and study conditions. Epidemiological studies of North American workers show no evidence of clinically significant adverse health effects due to occupational exposure to carbon black.

Carbon black is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC and is proposed to be listed as A4- "not classified as a human carcinogen" by the American Conference of Governmental Industrial Hygienists. Significant exposure is not anticipated 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 carbon black in the formula.

Primary Route(s) Of Entry: Skin Contact, Skin Absorption, Inhalation, Ingestion, Eye Contact

## **Section 4 - First Aid Measures**

First Aid - Eye Contact: No Information.

First Aid - Skin Contact: No Information.

First Aid - Inhalation: No Information.

First Aid - Ingestion: No Information.

## **Section 5 - Fire Fighting Measures**

Flash Point: 77 F  
(Setaflash)

LOWER EXPLOSIVE LIMIT: 0.6 %  
UPPER EXPLOSIVE LIMIT : 13.1 %

Extinguishing Media: Film Forming Foam, Carbon Dioxide, Dry Chemical, Foam, Water Fog

Unusual Fire And Explosion Hazards: No unusual Hazards

Special Firefighting Procedures: No Information.

## **Section 6 - Accidental Release Measures**

Steps To Be Taken If Material Is Released Or Spilled: Isolate and dispose of in accordance with state and federal regulations.

## **Section 7 - Handling And Storage**

Handling: No Information.

Storage: No Information.

## **Section 8 - Exposure Controls / Personal Protection**

Engineering Controls: No Information.

Respiratory Protection: No Information.

Skin Protection: No Information.

Eye Protection: No Information.

Other protective equipment: No Information.

Hygienic Practices: No Information.

## Section 9 - Physical And Chemical Properties

|                                 |              |                   |                   |
|---------------------------------|--------------|-------------------|-------------------|
| Boiling Range:                  | 223 - 450 F  | Vapor Density:    | Heavier than Air  |
| Odor:                           | Solvent Like | Odor Threshold:   | ND                |
| Appearance:                     | Liquid       | Evaporation Rate: | Slower than Ether |
| Solubility in H <sub>2</sub> O: | Slight       |                   |                   |
| Freeze Point:                   | ND           | Specific Gravity: | 1.179             |
| Vapor Pressure:                 | ND           | PH:               | NE                |
| Physical State:                 | Liquid       |                   |                   |

(See section 16 for abbreviation legend)

## Section 10 - Stability And Reactivity

Conditions To Avoid: No Information.

Incompatibility: No Information.

Hazardous Decomposition: Will not occur under normal conditions

Hazardous Polymerization: Will not occur under normal conditions

Stability: Stable under normal conditions

## Section 11 - Toxicological Information

Product LD50: ND

Product LC50: ND

### **Chemical Name**

Xylene  
Titanium Dioxide  
Solvent Naptha, Light Aromatic  
1,2,4-Trimethylbenzene  
Ethylbenzene  
n-Butyl Acetate  
Ethyl 3-Ethoxypropionate  
1,3,5-Trimethylbenzene  
Carbon Black

### **LD50**

4300 mg/kg (Rat, Oral)  
>7500 mg/kg (Rat, Oral)  
4700 mg/kg (Rat, Oral)  
N.E.  
3500 mg/kg (Rat, Oral)  
13100 mg/kg (Rat, Oral)  
4300 mg/kg (Rat, Oral)  
1303 mg/kg (Rat, Oral)  
>8000 mg/kg (Rat, Oral)

### **LC50**

5000 ppm (Rat, Inhalation, 4Hr)  
N.E.  
3670 mg/kg (Rat, Inhalation)  
18000 mg/m<sup>3</sup> (Rat, 4Hr)  
N.E.  
2000 ppm (Rat, Inhalation, 4 Hr)  
>1000 ppm (Rat, Inhalation, 6Hr)  
24 mg/m<sup>3</sup> (Rat, 4Hr)  
N.E.

## Section 12 - Ecological Information

Ecological Information: No Information.

### Section 13 - Disposal Information

Disposal Information: Dispose of in accordance with state and federal regulations

### Section 14 - Transportation Information

|                           |        |                   |      |
|---------------------------|--------|-------------------|------|
| DOT Proper Shipping Name: | Paint  | Packing Group:    | III  |
| DOT Technical Name:       | N.A.   | Hazard Subclass:  | N.A. |
| DOT Hazard Class:         | 3      | Resp. Guide Page: | 127  |
| DOT UN/NA Number:         | UN1263 |                   |      |

### Section 15 - Regulatory Information

#### 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:

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD

#### SARA Section 313:

Listed below are the substances (if any) contained in this product that are 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 Number</u> |
|------------------------|-------------------|
| Xylene                 | 1330-20-7         |
| 1,2,4-Trimethylbenzene | 95-63-6           |
| Ethylbenzene           | 100-41-4          |

#### Toxic Substances Control Act:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of TSCA 12(B) if exported from the United States:

It is the policy of Rust-Oleum Corporation to use only TSCA compliant materials in its products.

#### U.S. State Regulations: As follows -

##### New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product.

| <u>Chemical Name</u>      | <u>CAS Number</u> |
|---------------------------|-------------------|
| Acrylic Polyol Copolymer  | PROPRIETARY       |
| Potassium Aluminosilicate | 37244-96-5        |

**Pennsylvania Right-to-Know:**

The following non-hazardous ingredients are present in the product at greater than 3%.

**Chemical Name**

Acrylic Polyol Copolymer  
Potassium Aluminosilicate  
Acrylic Polyol Copolymer  
Polyester Polyol Copolymer  
Aliphatic Diol

**CAS Number**

PROPRIETARY  
37244-96-5  
PROPRIETARY  
PROPRIETARY  
PROPRIETARY

**California Proposition 65:**

WARNING! This product contains a chemical(s) known by the State of California to cause cancer.

WARNING! This product contains a chemical(s) known to the State of California to cause birth defects or other reproductive harm.

**International Regulations: As follows -****CANADIAN WHMIS:**

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

**CANADIAN WHMIS CLASS:** B2 D2A D2B

|                                       |
|---------------------------------------|
| <b>Section 16 - Other Information</b> |
|---------------------------------------|

**HMIS Ratings:**

Health: 2\*

Flammability: 3

Reactivity: 0

Personal Protection: X

**REASON FOR REVISION:** Regulatory Update

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

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 material 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.