



## Safety Data Sheet

**Document Group:**  
**Issue Date:** 12/20/2016

**Version Number:** 1.1  
**Supersedes Date:** 01/01/2016

### SECTION 1 : Identification

**1.1. Product Name:** Topcoat

**1.2 Alternative Name(s) or Identification:** n/a

**1.3 Recommended use and restrictions on use:** Various coating applications. Use in well ventilated area.

**1.4 SDS Supplier details:**

**Company:** Xcel Surfaces  
**Address:** 3750 W Indian School Rd  
Phoenix, AZ 85019  
**Telephone:** 602-636-6720

**1.5 Emergency telephone number**

Xcel Surfaces 800-644-9131  
CHEMTREC 800-424-9300

**1.6 Chemical Name:** n/a

### SECTION 2: Hazard Identification

#### 2.1 Hazard Classification

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids (Category 3)  
Acute toxicity, Inhalation (Category 4)  
Skin irritation (Category 2)  
Eye irritation (Category 2A)  
Germ cell mutagenicity (Category 1B)  
Carcinogenicity (Category 1B)  
Specific target organ toxicity – single exposure (Category 3), Respiratory system  
Specific target organ toxicity – repeated exposure, Inhalation (Category 2), Central nervous system, Liver, Kidney  
Aspiration hazard (Category 1)  
Acute aquatic toxicity (Category 2)  
Chronic aquatic toxicity (Category 2)

#### 2.2 GHS Label Elements

**Signal Word:**  
Danger

**Hazard Statement(s):**  
May cause cancer  
Causes damage to organs (lungs) through prolonged or repeated exposure if inhaled

#### Hazard Pictogram(s):



#### Precautionary Statement(s):

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Wash skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Wear protective gloves/protective clothing/eye protection/face protection  
 IF exposed or concerned, get medical advice/attention  
 Store locked up  
 Dispose of contents/container to an approved waste disposal plant

#### 2.3 Hazards not otherwise classified

No data available

### SECTION 3: Composition/Information on Ingredients

| Component                          | CAS No        | %Wt           |
|------------------------------------|---------------|---------------|
| Water                              | 7732-18-5     | Trade Secret* |
| Trade Secret*                      | Trade Secret* | Trade Secret* |
| Titanium Dioxide                   | 13463-67-7    | Trade Secret* |
| Calcium Carbonate                  | 1317-65-3     | Trade Secret* |
| Crystalline Silica (Quartz)        | 14808-60-7    | Trade Secret* |
| 1,2-propanediol                    | 57-55-6       | Trade Secret* |
| Petroleum Distillates              | 64742-65-0    | < 1%          |
| Sodium Hydroxide                   | 1310-73-2     | < 1%          |
| Barium Sulfate                     | 7727-43-7     | < 1%          |
| Remaining Non-Hazardous Components | n/a           | < 1% (ea)     |

\*The specific chemical identity and/or exact percentages of certain components have been withheld in accordance with paragraph (i) of the 1910.1200 OSHA Hazard Communication standard regarding trade secrets.

### SECTION 4: First Aid Measures

#### 4.1 Description of first aid measures

##### Inhalation:

If breathed in, move person to fresh air  
 If not breathing, give artificial respiration and seek immediate medical attention  
 If cough or respiratory irritation persist, seek medical attention

##### Skin Contact:

Wash with soap and plenty of water  
 Consult a physician

##### Eye Contact:

Flush eyes with large amounts of clean water for at least 15 minutes  
 Remove contact lenses if easy to do  
 Seek medical attention

**Ingestion:**

Never give anything by mouth to an unconscious person  
Rinse mouth with water  
Consult a physician

**4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in section 2.2

**4.3 Indication of any immediate medical attention and special treatment required**

No data available

## SECTION 5: Fire-Fighting Measures

**5.1. Suitable extinguishing media**

Water spray, dry chemical powder, alcohol-resistant foam, carbon dioxide

**5.2. Specific Hazards**

Combustion byproducts may include oxides of carbon (CO, CO<sub>2</sub>), titanium, and oxides of titanium

**5.3. Special protective actions for fire-fighters**

Wear self-contained breathing apparatus for firefighting if necessary

## SECTION 6: Accidental Release Measures

**6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

For personal protective equipment recommendations, please refer to Section 8.

**6.2. Methods and material for containment and cleaning up**

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

## SECTION 7: Handling and Storage

**7.1. Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.

Utilize appropriate personal protective equipment (as outlined in Section 8).

For precautions see section 2.2.

**7.2. Conditions for safe storage including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place. Store in a dry well-ventilated place. Keep cool. Keep container upright and tightly closed to prevent leakage. Store away from heat. Store away from incompatible materials such as strong oxidizing agents and caustics.

## SECTION 8: Exposure Controls/Personal Protection

### 8.1 Occupational Exposure Limits (OEL)

|           |                             |                                                                 |
|-----------|-----------------------------|-----------------------------------------------------------------|
| OSHA PEL  | Titanium Dioxide            | 15 mg/m <sup>3</sup>                                            |
|           | Calcium Carbonate           | 15 mg/m <sup>3</sup> (total), 5 mg/m <sup>3</sup> (respirable)  |
|           | Crystalline Silica (Quartz) | <u>10 mg/m<sup>3</sup></u><br>% SiO <sub>2</sub> + 2            |
|           | 1,2-propanediol             | n/a                                                             |
|           | Petroleum Distillates       | 500 ppm                                                         |
|           | Sodium Hydroxide            | 2 mg/m <sup>3</sup>                                             |
|           | Barium Sulfate              | 15 mg/m <sup>3</sup>                                            |
| NIOSH REL | Titanium Dioxide            | n/a (potential occupational carcinogen)                         |
|           | Calcium Carbonate           | 10 mg/m <sup>3</sup> (total), 5 mg/m <sup>3</sup> (respirable)  |
|           | Crystalline Silica (Quartz) | 0.05 mg/m <sup>3</sup>                                          |
|           | 1,2-propanediol             | n/a                                                             |
|           | Petroleum Distillates       | 350 mg/m <sup>3</sup> , 1800 mg/m <sup>3</sup> (15-min ceiling) |
|           | Sodium Hydroxide            | 2 mg/m <sup>3</sup> (15-min ceiling)                            |
|           | Barium Sulfate              | 10 mg/m <sup>3</sup> (total), 5 mg/m <sup>3</sup> (respirable)  |
| ACGIH TLV | Titanium Dioxide            | 10 mg/m <sup>3</sup>                                            |
|           | Calcium Carbonate           | 10 mg/m <sup>3</sup>                                            |
|           | Crystalline Silica (Quartz) | 0.025 mg/m <sup>3</sup>                                         |
|           | 1,2-propanediol             | n/a                                                             |
|           | Petroleum Distillates       | n/a                                                             |
|           | Sodium Hydroxide            | 2 mg/m <sup>3</sup> (15-min ceiling)                            |
|           | Barium Sulfate              | 10 mg/m <sup>3</sup>                                            |

OSHA = Occupational Safety & Health Administration

NIOSH = National Institute of Occupational Safety & Health

ACGIH = American Conference of Governmental Industrial Hygienists

TWA = Time-weighted average

ST = Short-Term Exposure Limit (15-minute TWA)

STEL = Short-Term Exposure Limit (15-minute TWA)

PEL = Permissible Exposure Limit (8-hour TWA)

REL = Recommended Exposure Limit (10-hour TWA)

TLV = Threshold Limit Value (8-hour TWA)

ppm = parts per million

mg/m<sup>3</sup> = milligrams per cubic meter

### 8.2 Engineering Controls

Utilize product in well ventilated area. Use process enclosures, local exhaust ventilation, or other engineering controls to minimize worker exposures to vapors and mists. Follow good industrial hygiene practice.

### 8.3 Personal Protective Equipment (PPE)

#### Eye/face protection

Use eye protection tested and approved by the appropriate regulating agency (OSHA, ANSI, etc.). Safety glasses, goggles, and or face shields are recommended with handling the product.

#### Skin/hand protection

Handle product with impervious and waterproof gloves (Nitrile® or equivalent are recommended). Prevent the product from getting inside the gloves during work. Gloves must be inspected prior to use. Use proper glove removal techniques to avoid skin contact with the product. Dispose of soiled gloves according to applicable laws. Wash and dry hands. Body protection may also be selected for large volume applications.



### Respiratory protection

Respiratory protection is recommended when handling the product in order to prevent exposures from exceeding occupational exposure limits (OELs). Choice of respirator will depend on anticipated airborne concentrations of components, and in accordance with NIOSH recommendations.

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

|                                          |                       |
|------------------------------------------|-----------------------|
| Appearance:                              | White Liquid          |
| Odor:                                    | Mild                  |
| Odor Threshold:                          | No data available     |
| pH:                                      | 8-9                   |
| Melting Point/Freezing Point:            | No data available     |
| Boiling Point:                           | No data available     |
| Flash Point:                             | No data available     |
| Evaporation Rate:                        | No data available     |
| Flammability:                            | No data available     |
| Flammability Limits (upper/lower):       | No data available     |
| Vapor Pressure:                          | No data available     |
| Vapor Density:                           | Heavier than air (>1) |
| Relative Density:                        | No data available     |
| Solubility:                              | No data available     |
| Partition Coefficient (n-octanol/water): | Water (partial)       |
| Auto-Ignition Temperature:               | No data available     |
| Viscosity:                               | No data available     |

## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

Stable under recommended storage conditions

### 10.3. Possibility of hazardous reactions

No data available

### 10.4. Conditions to avoid

Excessive heat, flame, freezing

### 10.5. Incompatible materials

Oxidizing agents  
Reducing agents  
Acid chlorides  
Acid anhydrides  
Acids  
Magnesium  
Aluminum  
Chloroformates  
Hydrogen fluoride



#### 10.6. Hazardous decomposition products

Under normal condition of storage and use, hazardous decomposition products are not anticipated.  
Dry material may burn and produce carbon oxides (CO<sub>2</sub>, CO), titanium, titanium oxides.

## SECTION 11: Toxicological Information

### 11.1 Information on Likely Routes of Exposure

#### Inhalation:

Product vapors and mists may be inhaled during handling and application process.

#### Ingestion:

Ingestion may occur due to poor hygiene practices (no PPE, lack of handwashing, etc.) and smoking, drinking, and/or eating while utilizing this product.

#### Skin & Eye Contact:

Product spilling and splashing without appropriate PPE may result in skin and eye exposure.  
Generation of vapors and mists may be generated during utilization of this product resulting in skin and eye exposure.

### 11.2 Symptoms Related to the Physical, Chemical and Toxicological Characteristics

#### Inhalation:

May cause headache and throat, nasal and upper respiratory tract irritation

#### Ingestion:

May cause vomiting

#### Skin Contact:

May cause skin and eye irritation

#### Eye Contact:

Irritation, pain, watering, redness

### 11.3 Delayed and Immediate Effects and also Chronic Effects from Short and Long-Term Exposure

Long-term respiratory exposure to crystalline silica dust may result in progressive respiratory symptoms and pneumoconiosis (silicosis).

### 11.4 Acute Toxicity

#### Ingestion:

1,2-propanediol: LD50 Oral (rat) = 20,000 mg/kg  
Titanium Dioxide: LD50 Oral (rat, female) > 5,000 mg/kg

#### Inhalation:

Titanium Dioxide: LC50 Inhalation (rat, male) = 6.82 mg/L (4 hours)

#### Skin/Dermal:

1,2-propanediol: LD50 Dermal (rabbit) = 20,800 mg/kg

### 11.5 Carcinogenicity

**IARC:** Crystalline Silica (Quartz) - Group 1: Carcinogenic to humans  
Titanium Dioxide – Group 2B: Possibly carcinogenic to humans



**NTP:** Crystalline Silica: Known to be a human carcinogen

## SECTION 12: Ecological Information

### 12.1 Ecotoxicity

#### **Aquatic:**

1,2-propanediol: mortality NOEC (Pimephales promelas) = 52,930 mg/L (96 hours)

Terrestrial: No data available

### 12.2 Persistence and Degradability

No data available

### 12.3 Bioaccumulative Potential

No data available

### 12.4 Mobility in Soil

No data available

### 12.5 Other Adverse Effects

No data available

## SECTION 13: Disposal Considerations

Dispose of product and/or container in accordance with all municipal, county, state, federal, and international regulations.

## SECTION 14: Transport Information

**DOT:** Not considered dangerous goods

**IMDG:** Not considered dangerous goods

**IATA:** Not considered dangerous goods

## SECTION 15: Regulatory Information

### 15.1. EPA Regulations

#### SARA 302 Components

No chemicals in this product are subject to the reporting requirement of SARA Title III, Section 302.

#### SARA 313 Components

This product does not contain any chemical components with known CAS numbers that exceed the threshold (de minimus) reporting levels established by SARA Title III, Section 313.

#### SARA 311/312 Hazards

1,2-propanediol – Acute Health Hazard

Titanium Dioxide – Chronic Health Hazard

Crystalline Silica (Quartz) – Chronic Health Hazard

#### California Prop. 65 Components

This product contains chemical(s) known to the state of California to cause cancer.

Crystalline Silica - 14808-60-7

**This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

## SECTION 16: Other Information

### NFPA Hazard Classification

**Health:** 1

**Flammability:** 0

**Reactivity:** 0

**Special Hazards:** None

### HMIS Hazard Classification

**Health:** 1

**Flammability:** 0

**Physical Hazards:** 0

DISCLAIMER: The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. XCEL SURFACES MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

Xcel Surfaces provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, Xcel Surfaces makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the SDS available directly from Xcel Surfaces.

This SDS was prepared and reviewed by Pauling Environmental Consulting and Xcel Surfaces (Version 1.1 issued 12/20/2016). This SDS was prepared with product information provided by Xcel Surfaces and in accordance with the OSHA 29 CFR 1910.1200 Hazard Communication standard. This SDS may be altered or revised in light of new information regarding components, formulation changes, new ingredients, etc. Any changes or alterations made to the information contained in this SDS should be reviewed and approved by Xcel Surfaces and Pauling Environmental Consulting. Pauling Environmental Consulting does not warranty any unapproved changes or alterations made to the information contained in this SDS (Version 1.1).