Safety Data Sheet

Document Group:		**Version Number:**	1.1
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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_2), 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^3
	Calcium Carbonate	15 mg/m^3 (total), 5 mg/m^3 (respirable)
	Crystalline Silica (Quartz)	10 mg/m^3 % SiO_2 + 2
	1,2-propanediol	n/a
	Petroleum Distillates	500 ppm
	Sodium Hydroxide	2 mg/m^3
	Barium Sulfate	15 mg/m^3
NIOSH REL	Titanium Dioxide	n/a (potential occupational carcinogen)
	Calcium Carbonate	10 mg/m^3 (total), 5 mg/m^3 (respirable)
	Crystalline Silica (Quartz)	0.05 mg/m^3
	1,2-propanediol	n/a
	Petroleum Distillates	350 mg/m^3, 1800 mg/m^3 (15-min ceiling)
	Sodium Hydroxide	2 mg/m^3 (15-min ceiling)
	Barium Sulfate	10 mg/m^3 (total), 5 mg/m^3 (respirable)
ACGIH TLV	Titanium Dioxide	10 mg/m^3
	Calcium Carbonate	10 mg/m^3
	Crystalline Silica (Quartz)	0.025 mg/m^3
	1,2-propanediol	n/a
	Petroleum Distillates	n/a
	Sodium Hydroxide	2 mg/m^3 (15-min ceiling)
	Barium Sulfate	10 mg/m^3

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^3 = 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_2, 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

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

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