



## Material Safety Data Sheet

Revision Date: 27-Sep-2011

Revision Number: 3

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** COROTECH ACRYLIC SEMI-GLOSS DTM  
**Product Code** V331-Series  
**Product Class** WATER THINNED PAINT  
**Color** All

**Manufacturer** Complementary Coatings Corp.  
 dba Insl-X  
 101 Paragon Drive  
 Montvale, NJ 07645  
 Phone: (800)-225-5554  
 www.insl-x.com

**Emergency Telephone Number(s)**  
 CHEMTREC (US): 800-424-9300  
 CHEMTREC (outside US): (703)-527-3887

### 2. COMPOSITION INFORMATION ON COMPONENTS

#### Hazardous Components

Chemical Name	CAS-No	Weight % (max)
Titanium dioxide	13463-67-7	25
Kaolin	1332-58-7	10
Diethylene glycol monoethyl ether	111-90-0	5
Talc	14807-96-6	5
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	5
Carbon black	1333-86-4	5
Silica, amorphous	7631-86-9	5

### 3. HAZARDS IDENTIFICATION

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#### Emergency Overview

#### **CAUTION**

Vapor harmful. Vapors may be irritating to eyes, nose, throat, and lungs. May cause skin irritation and/or dermatitis. May be harmful if swallowed.

CAUTION: All floor coatings may become slippery when wet. Where non-skid characteristics are desired, a small amount of clean sand may be added. Stir often during application.

**Appearance** liquid

**Odor** little or no odor

#### Potential Health Effects

**Principal Routes of Exposure** Eye contact, skin contact and inhalation.

#### **Acute Effects**

##### **Eyes**

Contact with eyes may cause irritation. Avoid contact with eyes.

##### **Skin**

May cause skin irritation and/or dermatitis. May be absorbed through the skin in harmful amounts.

##### **Inhalation**

May cause irritation of respiratory tract. Avoid breathing vapors or mists. May cause headaches, dizziness, drowsiness, unconsciousness, and other central nervous system effects.

##### **Ingestion**

May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

#### **Chronic Effects**

Avoid repeated exposure. May cause blood damage. Repeated contact may cause allergic reactions in very susceptible persons. Prolonged exposure may cause chronic effects. May cause kidney damage. May cause liver damage.

See Section 11 for additional Toxicological information.

**Aggravated Medical Conditions** Asthma and other respiratory disorders. Liver disorders. Kidney disorders.

**HMIS**            **Health: 1\***            **Flammability: 0**            **Reactivity: 0**            **PPE: -**

#### **HMIS Legend**

0 - Minimal Hazard

1 - Slight Hazard

2 - Moderate Hazard

3 - Serious Hazard

4 - Severe Hazard

\* - Chronic Hazard

X - Consult your supervisor or S.O.P. for "Special" handling instructions.

*Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.*

*Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.*

## 4. FIRST AID MEASURES

<b>General Advice</b>	No hazards which require special first aid measures.
<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Immediate medical attention is required.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Immediate medical attention is required.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration. Call a physician immediately.
<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Immediate medical attention is required.
<b>Notes To Physician</b>	Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Protective Equipment And Precautions For Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Specific Hazards Arising From The Chemical</b>	Closed containers may rupture if exposed to fire or extreme heat.
<b>Sensitivity To Mechanical Impact</b>	No
<b>Sensitivity To Static Discharge</b>	No
<b>Flash Point Data</b>	
Flash Point (°F)	Not applicable
Flash Point (°C)	Not applicable
Flash Point Method	Not applicable
<b>Flammability Limits In Air</b>	
Lower Explosion Limit	Not applicable
Upper Explosion Limit	Not applicable

**NFPA**    Health: 1        Flammability: 0        Instability: 0        Special: -

**NFPA Legend**

- 0 - Not Hazardous
- 1 - Slightly
- 2 - Moderate
- 3 - High
- 4 - Severe

*The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.*

*Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at [www.nfpa.org](http://www.nfpa.org).*

**6. ACCIDENTAL RELEASE MEASURES**

- Personal Precautions**                      Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.. Use personal protective equipment.
- Environmental Precautions**            Prevent further leakage or spillage if safe to do so.
- Methods For Clean-Up**                    Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.
- Other Information**                        None known

**7. HANDLING AND STORAGE**

- Handling**                                    Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep in a well-ventilated place. Avoid breathing vapors, spray mists or sanding dust. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Use only in area provided with appropriate exhaust ventilation. Remove and wash contaminated clothing before re-use.
- Storage**                                      Keep container tightly closed. Keep out of the reach of children.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Limits**

**Hazardous Components**

Chemical Name	ACGIH	OSHA
Titanium dioxide	10 mg/m <sup>3</sup> - TWA	15 mg/m <sup>3</sup> - TWA total
Kaolin	2 mg/m <sup>3</sup> - TWA	15 mg/m <sup>3</sup> - TWA total 5 mg/m <sup>3</sup> - TWA
Diethylene glycol monoethyl ether	N/E	N/E
Talc	2 mg/m <sup>3</sup> - TWA	20 mppcf - TWA
Ethanol, 2-(2-butoxyethoxy)-	N/E	N/E
Carbon black	3.5 mg/m <sup>3</sup> - TWA	3.5 mg/m <sup>3</sup> - TWA
Silica, amorphous	N/E	- (80)/(% SiO <sub>2</sub> ) mg/m <sup>3</sup> TWA 20 mppcf - TWA

**Legend**

ACGIH - American Conference of Governmental Industrial Hygienists Exposure Limits

OSHA - Occupational Safety &amp; Health Administration Exposure Limits

N/E - Not Established

**Engineering Measures**                      Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment****Eye/Face Protection**

Safety glasses with side-shields. If splashes are likely to occur, wear:. Face-shield. Goggles.

**Skin Protection**

Long sleeved clothing. Protective gloves.. Apron.

**Respiratory Protection**

In case of insufficient ventilation wear suitable respiratory equipment.

**Hygiene Measures**

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	liquid
<b>Odor</b>	little or no odor
<b>Density (lbs/gal)</b>	8.6 - 10.5
<b>Specific Gravity</b>	0.9 - 1.3
<b>pH</b>	Not available
<b>Viscosity (centistokes)</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Vapor Pressure</b>	Not available
<b>Vapor Density</b>	Not available
<b>Wt. % Solids</b>	35 - 60
<b>Vol. % Solids</b>	30 - 45
<b>Wt. % Volatiles</b>	40 - 65
<b>Vol. % Volatiles</b>	55 - 70
<b>VOC Regulatory Limit (g/L)</b>	<250
<b>Boiling Point (°F)</b>	212
<b>Boiling Point (°C)</b>	100
<b>Freezing Point (°F)</b>	32
<b>Freezing Point (°C)</b>	0
<b>Flash Point (°F)</b>	Not applicable
<b>Flash Point (°C)</b>	Not applicable
<b>Flash Point Method</b>	Not applicable
<b>Upper Explosion Limit</b>	Not applicable
<b>Lower Explosion Limit</b>	Not applicable

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal conditions.
<b>Conditions To Avoid</b>	Prevent from freezing
<b>Incompatible Materials</b>	No materials to be especially mentioned.
<b>Hazardous Decomposition Products</b>	None under normal use.

**Possibility Of Hazardous Reactions**

None under normal conditions of use.

**11. TOXICOLOGICAL INFORMATION****Acute Toxicity****Product**

No information available

**Component**Titanium dioxide

LD50 Oral: &gt; 10000 mg/kg (Rat)

LD50 Dermal: > 10000 mg/m<sup>3</sup> (Rabbit)

LC50 Inhalation (Dust): &gt; 6.82 mg/L (Rat, 4 hr.)

Kaolin

LD50 Oral: &gt; 5000 mg/kg (Rat)

Diethylene glycol monoethyl ether

LD50 Oral: 7,500 mg/kg (Rat)

LD50 Dermal: 4200 mg/kg (Rabbit)

LC50 Inhalation (Vapor): > 5240 mg/m<sup>3</sup> (Rat)Ethanol, 2-(2-butoxyethoxy)-

LD50 Oral: 3384 mg/kg (Rat)

LD50 Dermal: 2700 mg/kg (Rabbit)

Carbon black

LD50 Oral: &gt; 15400 mg/kg (Rat)

LD50 Dermal: &gt; 3000 mg/kg (Rabbit)

Silica, amorphous

LD50 Oral: &gt; 5000 mg/kg (Rat)

LD50 Dermal: 2,000 mg/kg (Rabbit)

LC50 Inhalation (Dust): &gt; 2 mg/L

**Chronic Toxicity****Carcinogenicity***The information below indicates whether each agency has listed any ingredient as a carcinogen:*

Chemical Name	ACGIH	IARC	NTP	OSHA Carcinogen
Titanium dioxide		2B - Possible Human Carcinogen		Listed

Chemical Name	ACGIH	IARC	NTP	OSHA Carcinogen
Carbon black		2B - Possible Human Carcinogen		Listed

- Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "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 paint."

### Legend

ACGIH - American Conference of Governmental Industrial Hygienists

IARC - International Agency for Research on Cancer

NTP - National Toxicity Program

OSHA - Occupational Safety & Health Administration

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity Effects

#### **Product**

##### Acute Toxicity to Fish

No information available

##### Acute Toxicity to Aquatic Invertebrates

No information available

##### Acute Toxicity to Aquatic Plants

No information available

#### **Component**

##### Acute Toxicity to Fish

No information available

##### Titanium dioxide

LC50: >1000 mg/L (Fathead Minnow - 96 hr.)

##### Acute Toxicity to Aquatic Invertebrates

No information available

##### Ethanol, 2-(2-butoxyethoxy)-

EC50: 100 mg/L (Daphnia - 48 hr.)

##### Acute Toxicity to Aquatic Plants

No information available



Chemical Name	CAS-No	Weight % (max)
Diethylene glycol monoethyl ether	111-90-0	5
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	5

*This product may contain trace amounts of (other) HAPs chemicals. Contact the preparer for further information.*

## State Regulations

### California Proposition 65

*This product may contain small amounts of materials known to the state of California to cause cancer or reproductive harm.*

### State Right-to-Know

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Louisiana	Rhode Island
Titanium dioxide	X	X	X		X
Kaolin	X	X	X		X
Diethylene glycol monoethyl ether		X	X		
Talc	X	X	X		X
Ethanol, 2-(2-butoxyethoxy)-		X	X		
Carbon black	X	X	X		X
Silica, amorphous	X	X	X		

### Legend

X - Listed

## 16. OTHER INFORMATION

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

### Prepared By

Product Stewardship Department  
Complementary Coatings Corp.  
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101 Paragon Drive  
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Phone: 1-800-225-5554

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### Revision Summary

Not available

Disclaimer

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**End of MSDS**