



## Material Safety Data Sheet

Revision Date: 23-Jun-2010

Revision Number: 1

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** COROPOXY POLYAMIDE ELECTROSTATIC - CLEAR BASE  
**Product Code** 141-Series  
**Product Class** SOLVENT 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	40
Proprietary polyamine adduct	UH0550-00-1	30
Solvent naphtha, petroleum, light aromatic	64742-95-6	25
Kaolin	1332-58-7	20
1,2,4-Trimethylbenzene	95-63-6	15
Propylene glycol monomethyl ether	107-98-2	10
Triethylenetetramine	112-24-3	5
Silica, amorphous	7631-86-9	5
Xylene	1330-20-7	5

### 3. HAZARDS IDENTIFICATION

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#### Emergency Overview

#### **DANGER**

Flammable. Vapor harmful. Irritating to respiratory system. Irritating to skin. May cause sensitization by skin contact.  
Irritating to eyes.

IMPORTANT: Designed to be mixed with other components. Mixture will have hazards of all components.

**Appearance** liquid

**Odor** solvent

#### **OSHA Regulatory Status**

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

#### Potential Health Effects

#### **Principal Routes of Exposure**

Eye contact, skin contact and inhalation.

#### **Acute Effects**

##### **Eyes**

Causes eye irritation. Avoid contact with eyes.

##### **Skin**

Contact causes skin irritation. May cause skin sensitization.

##### **Inhalation**

Irritating to respiratory system. Avoid breathing vapors or mists. High vapor / aerosol concentrations are irritating to the eyes, nose, throat and lungs and may cause headaches, dizziness, drowsiness, unconsciousness, and other central nervous system effects.

##### **Ingestion**

Harmful if swallowed. May be fatal if swallowed. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

#### **Chronic Effects**

Avoid repeated exposure. Intentional misuse by deliberately concentrating and inhaling solvents may be harmful or fatal. Prolonged exposure may cause chronic effects.

See Section 11 for additional Toxicological information.

**Aggravated Medical Conditions** None known

**HMIS**            **Health:** 1\*            **Flammability:** 3            **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, Insl-X, 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>	If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Call a physician immediately.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes, If skin irritation persists, call a physician.
<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapours. If symptoms persist, call a physician.
<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Immediate medical attention is required.
<b>Notes To Physician</b>	Treat symptomatically.
<b>Protection Of First-Aiders</b>	Use personal protective equipment.

## 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Foam, dry powder or water. 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>	Flammable. Closed containers may rupture if exposed to fire or extreme heat. Keep product and empty container away from heat and sources of ignition. Thermal decomposition can lead to release of irritating gases and vapors.
<b>Sensitivity To Mechanical Impact</b>	No
<b>Sensitivity To Static Discharge</b>	Yes
<b>Flash Point Data</b>	
Flash Point (°F)	91
Flash Point (°C)	33
Flash Point Method	PMCC
<b>Flammability Limits In Air</b>	
Lower Explosion Limit	Not available

Upper Explosion Limit

Not available

**NFPA**      **Health:** 1      **Flammability:** 3      **Instability:** 0      **Special:** -

**NFPA Legend**

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

*The ratings assigned by Insl-X 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**

<b>Personal Precautions</b>	Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Remove all sources of ignition. Use personal protective equipment. Take precautionary measures against static discharges.
<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. Do not flush into surface water or sanitary sewer system.
<b>Methods For Clean-Up</b>	Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.
<b>Other Information</b>	None known

**7. HANDLING AND STORAGE**

<b>Handling</b>	Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from open flames, hot surfaces and sources of ignition. Wear personal protective equipment. Do not breathe vapors or spray mist. Take precautionary measures against static discharges. Use product only in closed system.
<b>Storage</b>	Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Protect from light. Keep in properly labeled containers. Keep away from open flames, hot surfaces and sources of ignition. Keep out of the reach of children.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Limits**

**Hazardous Components**

Chemical Name	ACGIH	OSHA
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Titanium dioxide	10 mg/m <sup>3</sup> - TWA	15 mg/m <sup>3</sup> - TWA total
Proprietary polyamine adduct	N/E	N/E
Solvent naphtha, petroleum, light aromatic	N/E	N/E
Kaolin	2 mg/m <sup>3</sup> - TWA	15 mg/m <sup>3</sup> - TWA total 5 mg/m <sup>3</sup> - TWA
1,2,4-Trimethylbenzene	N/E	N/E
Propylene glycol monomethyl ether	100 ppm - TWA 150 ppm - STEL	N/E
Triethylenetetramine	N/E	N/E
Silica, amorphous	N/E	- (80)/(% SiO <sub>2</sub> ) mg/m <sup>3</sup> TWA 20 mppcf - TWA
Xylene	100 ppm - TWA 150 ppm - STEL	100 ppm - TWA 435 mg/m <sup>3</sup> - TWA

**Legend**

ACGIH - American Conference of Governmental Industrial Hygienists Exposure Limits  
OSHA - Occupational Safety & Health Administration Exposure Limits  
N/E - Not Established

**Engineering Measures**

Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment**

**Eye/Face Protection**

Tightly fitting safety goggles. Face-shield.

**Skin Protection**

Long sleeved clothing. Chemical resistant apron. Antistatic boots. Protective gloves.

**Respiratory Protection**

In operations where exposure limits are exceeded, use a NIOSH approved respirator that has been selected by a technically qualified person for the specific work conditions. When spraying the product or applying in confined areas, wear a NIOSH approved respirator specified for paint spray or organic vapors.

**Hygiene Measures**

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling. When using do not eat, drink or smoke.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	liquid
<b>Odor</b>	solvent
<b>Density (lbs/gal)</b>	8.7 - 11.5
<b>Specific Gravity</b>	1.0 - 1.4
<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>	60 - 70
<b>Vol. % Solids</b>	45 - 55
<b>Wt. % Volatiles</b>	30 - 40
<b>Vol. % Volatiles</b>	45 - 55
<b>VOC Regulatory Limit (g/L)</b>	<450
<b>Boiling Point (°F)</b>	246
<b>Boiling Point (°C)</b>	119
<b>Freezing Point (°F)</b>	Not available
<b>Freezing Point (°C)</b>	Not available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Flash Point (°F)	91
Flash Point (°C)	33
Flash Point Method	PMCC
Upper Explosion Limit	Not available
Lower Explosion Limit	Not available

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal conditions. Hazardous polymerisation does not occur.
<b>Conditions To Avoid</b>	Keep away from open flames, hot surfaces, static electricity and sources of ignition.
<b>Incompatible Materials</b>	Incompatible with strong acids and bases and strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Thermal decomposition can lead to release of irritating gases and vapors.
<b>Possibility Of Hazardous Reactions</b>	None under normal conditions of use.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### **Product**

Repeated or prolonged exposure to organic solvents may lead to permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal.

#### **Component**

##### Titanium dioxide

LD50 Oral: > 24000 mg/kg (Rat)

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

LC50 Inhalation (Dust): > 6.82 mg/L (Rat, 4 hr.)

##### Solvent naphtha, petroleum, light aromatic

LD50 Oral: 8400 mg/kg (Rat)

##### Kaolin

LD50 Oral: > 5000 mg/kg (Rat)

##### 1,2,4-Trimethylbenzene

LD50 Oral: 5000 mg/kg (Rat)

LC50 Inhalation (Vapor): 18000 mg/m<sup>3</sup> (Rat, 4 hr.)

Propylene glycol monomethyl ether

LD50 Oral: 6,600 mg/kg (Rat)  
LD50 Dermal: 13,000 mg/kg (Rabbit)  
LC50 Inhalation (Vapor): 10,000 ppm (Rat)

Triethylenetetramine

LD50 Oral: 2500 mg/kg (Rat)  
LD50 Dermal: 805 mg/kg (Rabbit)

Silica, amorphous

LD50 Oral: > 10000 mg/kg (Rat)  
LD50 Dermal: 2,000 mg/kg (Rabbit)  
LC50 Inhalation (Dust): > 2 mg/L

Xylene

LD50 Oral: 4300 mg/kg (Rat)  
LD50 Dermal: > 1700 mg/kg (Rabbit)  
LC50 Inhalation (Vapor): 5000 ppm (Rat, 4 hr.)  
Sensitization: No sensitizing effects known.

**Chronic Toxicity**

**Carcinogenicity**

The information below indicates whether each agency has listed any ingredient as a carcinogen:

Chemical Name	ACGIH	IARC	NTP	OSHA Carcinogen Listed
Titanium dioxide		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

## 12. ECOLOGICAL INFORMATION

### 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.)

#### Xylene

LC50: 13.5 mg/L (Rainbow Trout - 96 hr.)

### Acute Toxicity to Aquatic Invertebrates

No information available

### Acute Toxicity to Aquatic Plants

No information available

## 13. DISPOSAL CONSIDERATIONS

### **Waste Disposal Method**

Dispose of in accordance with federal, state, provincial, and local regulations. Dry, empty containers may be recycled in a can recycling program. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

## 14. TRANSPORT INFORMATION

### **DOT**

<b>Proper Shipping Name</b>	Paint
<b>Hazard Class</b>	3
<b>UN-No</b>	UN1263
<b>Packing Group</b>	III

### **ICAO / IATA**

Contact Insl-X for further information.

### **IMDG / IMO**

Contact Insl-X for further information.

## 15. REGULATORY INFORMATION

### International Inventories

## 15. REGULATORY INFORMATION

**United States TSCA** Yes - All components are listed or exempt.  
**Canada DSL** Yes - All components are listed or exempt.

### Federal Regulations

#### SARA 311/312 hazardous categorization

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

<u>Chemical Name</u>	<u>CAS-No</u>	<u>Weight % (max)</u>
1,2,4-Trimethylbenzene	95-63-6	15
Xylene	1330-20-7	5

*This product may contain trace amounts of (other) SARA reportable chemicals. Contact Insl-X for further information.*

#### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following HAPs:

<u>Chemical Name</u>	<u>CAS-No</u>	<u>Weight % (max)</u>
Xylene	1330-20-7	5

*This product may contain trace amounts of (other) HAPs chemicals. Contact Insl-X 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
1,2,4-Trimethylbenzene	X	X	X		
Propylene glycol monomethyl ether	X	X	X		X
Triethylenetetramine	X	X	X		

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Silica, amorphous	X	X	X		
Xylene	X	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  
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Disclaimer

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**End of MSDS**