



## Material Safety Data Sheet

Revision Date: 07-Jun-2011

Revision Number: 1

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** CORO-BOND POLYAMIDE EPOXY PRIMER BASE  
**Product Code** 1201-SERIES  
**Product Class** SURFACE PREPARATION PRODUCT  
**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)
Silica, crystalline	14808-60-7	30
Xylene	1330-20-7	25
Epoxy resin	25036-25-3	20
Kaolin, calcined	66402-68-4	10
Talc	14807-96-6	10
Titanium dioxide	13463-67-7	10
Iron oxide	1309-37-1	10
Ethyl benzene	100-41-4	10
Propylene glycol monomethyl ether	107-98-2	5
Diatomaceous earth	61790-53-2	5
Carbon black	1333-86-4	1

### 3. HAZARDS IDENTIFICATION

### 3. HAZARDS IDENTIFICATION

#### Emergency Overview

#### **DANGER**

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

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

**Appearance** liquid

**Odor** Not available

#### **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** **Skin**

Avoid contact with eyes. Contact with eyes may cause irritation.  
May cause skin irritation and/or dermatitis. May be absorbed through the skin in harmful amounts. May cause skin sensitization. Causes burns.

##### **Inhalation**

Avoid breathing vapors or mists. May cause irritation of respiratory tract. Harmful by inhalation. 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. Ingestion may cause irritation to mucous membranes. 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.. May cause effects similar to those listed under "Inhalation."

#### **Chronic Effects**

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

Contains: Crystalline Silica which has been determined to be carcinogenic to humans by IARC (1) when in respirable form. Risk of cancer depends on duration and level of inhalation exposure to spray mist or dust from sanding the dried paint.

See Section 11 for additional Toxicological information.

#### **Aggravated Medical Conditions**

Skin disorders. Asthma and other respiratory disorders. Kidney disorders. Auditory system disorders. Pre-existing heart disorders.

#### **HMIS**

**Health:** 2\*

**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, 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>	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 plenty of water for at least 15 minutes, Remove and wash contaminated clothing before re-use, If skin irritation persists, call a physician.
<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. Never give anything by mouth to an unconscious person. Do not induce vomiting. 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.

Sensitivity To Mechanical Impact	No
Sensitivity To Static Discharge	Yes
Flash Point Data	
Flash Point (°F)	80
Flash Point (°C)	27
Flash Point Method	PMCC
Flammability Limits In Air	
Lower Explosion Limit	Not available
Upper Explosion Limit	Not available

**NFPA**      **Health: 2**      **Flammability: 3**      **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

<b>Personal Precautions</b>	Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.. Use personal protective equipment. Remove all sources of ignition.. 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. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.
<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>	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep in a well-ventilated place. Do not breathe vapors or spray mist. Ensure adequate ventilation. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Remove all sources of ignition. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Remove and wash contaminated clothing before re-use. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Do not smoke.
-----------------	--

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. 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
Silica, crystalline	0.025 mg/m <sup>3</sup> - TWA	respirable - (10)/( %SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA respirable - (250)/( %SiO <sub>2</sub> + 5) mppcf TWA total dust - (30)/( %SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA
Xylene	100 ppm - TWA 150 ppm - STEL	100 ppm - TWA 435 mg/m <sup>3</sup> - TWA
Epoxy resin	N/E	N/E
Kaolin, calcined	0.2 mg/m <sup>3</sup> - TWA 5 mg/m <sup>3</sup> - TWA 10 mg/m <sup>3</sup> - STEL	5 mg/m <sup>3</sup> - TWA
Talc	2 mg/m <sup>3</sup> - TWA	20 mppcf - TWA
Titanium dioxide	10 mg/m <sup>3</sup> - TWA	15 mg/m <sup>3</sup> - TWA total
Iron oxide	5 mg/m <sup>3</sup> - TWA	10 mg/m <sup>3</sup> - TWA
Ethyl benzene	100 ppm - TWA 125 ppm - STEL	100 ppm - TWA 435 mg/m <sup>3</sup> - TWA
Propylene glycol monomethyl ether	100 ppm - TWA 150 ppm - STEL	N/E
Diatomaceous earth	N/E	- (80)/( % SiO <sub>2</sub> ) mg/m <sup>3</sup> TWA 20 mppcf - TWA
Carbon black	3.5 mg/m <sup>3</sup> - TWA	3.5 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**

Avoid contact with eyes. Goggles.

**Skin Protection**

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

**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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	liquid
Odor	Not available
Density (lbs/gal)	11.7 - 12.0
Specific Gravity	1.2 - 1.5
pH	Not available
Viscosity (centistokes)	Not available
Evaporation Rate	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Wt. % Solids	65 - 70
Vol. % Solids	45 - 55
Wt. % Volatiles	30 - 35
Vol. % Volatiles	45 - 55
VOC Regulatory Limit (g/L)	<450
Boiling Point (°F)	279
Boiling Point (°C)	137
Freezing Point (°F)	Not available
Freezing Point (°C)	Not available
Flash Point (°F)	80
Flash Point (°C)	27
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., curing 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**

Silica, crystalline

LD50 Oral: 500 mg/kg (Rat) vendor data

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.

Talc

Sensitization: No information available

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.)

Iron oxide

LD50 Oral: > 5000 mg/kg (Rat) vendor data

Ethyl benzene

LD50 Oral: 3500 mg/kg (Rat)

LD50 Dermal: > 5000 mg/kg (Rabbit)

LC50 Inhalation (Vapor): 55000 mg/m<sup>3</sup> (Rat, 2 hr.)

Sensitization: No sensitizing effects known.

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)

Carbon black

LD50 Oral: > 15400 mg/kg (Rat)

LD50 Dermal: > 3000 mg/kg (Rabbit)

**Chronic Toxicity**

**Carcinogenicity**

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

<b>Chemical Name</b>	<b>ACGIH</b>	<b>IARC</b>	<b>NTP</b>	<b>OSHA Carcinogen</b>
Silica, crystalline	A2 - Suspected Human Carcinogen	1 - Human Carcinogen	Known Human Carcinogen	Listed
Kaolin, calcined		2B - Possible Human Carcinogen		

Chemical Name	ACGIH	IARC	NTP	OSHA Carcinogen
Titanium dioxide		2B - Possible Human Carcinogen		Listed
Ethyl benzene	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans	2B - Possible Human Carcinogen		Listed
Carbon black		2B - Possible Human Carcinogen		Listed

- Crystalline Silica has been determined to be carcinogenic to humans by IARC (1) when in respirable form. Risk of cancer depends on duration and level of inhalation exposure to spray mist or dust from sanding the dried paint.
- 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

Xylene

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

Titanium dioxide

## 12. ECOLOGICAL INFORMATION

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

Ethyl benzene

LC50: 12.1 mg/L (Fathead Minnow - 96 hr.)

### Acute Toxicity to Aquatic Invertebrates

No information available

Ethyl benzene

EC50: 1.8 mg/L (Daphnia magna - 48 hr.)

### Acute Toxicity to Aquatic Plants

No information available

Ethyl benzene

EC50: 4.6 mg/L (Green algae (Scenedesmus subspicatus), 72 hrs.)

## 13. DISPOSAL CONSIDERATIONS

### **Waste Disposal Method**

Dispose of in accordance with federal, state, provincial, and local regulations. 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 the preparer for further information.

### **IMDG / IMO**

Contact the preparer for further information.

## 15. REGULATORY INFORMATION

### International Inventories

**United States TSCA**  
**Canada DSL**

Yes - All components are listed or exempt.  
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>
Xylene	1330-20-7	25
Kaolin, calcined	66402-68-4	10
Ethyl benzene	100-41-4	10

*This product may contain trace amounts of (other) SARA reportable chemicals. Contact the preparer 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	25
Ethyl benzene	100-41-4	10

*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**

<b>Chemical Name</b>	<b>Massachusetts</b>	<b>New Jersey</b>	<b>Pennsylvania</b>	<b>Louisiana</b>	<b>Rhode Island</b>
Silica, crystalline	X	X	X		X
Xylene	X	X	X		X
Kaolin, calcined		X	X		X
Talc	X	X	X		X
Titanium dioxide	X	X	X		X
Iron oxide	X	X	X		X
Ethyl benzene	X	X	X		X
Propylene glycol monomethyl ether	X	X	X		X
Diatomaceous earth		X			X
Carbon black	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  
Complementary Coatings Corp.  
dba Insl-X  
101 Paragon Drive  
Montvale, NJ 07645  
Phone: 1-800-225-5554

**Revision Date:** 07-Jun-2011  
**Revision Summary** Not available

Disclaimer

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, provincial, and local laws and regulations.

**End of MSDS**