



## Material Safety Data Sheet

Revision Date: 20-Apr-2012

Revision Number: 2

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** GARAGE GUARD EPOXY COMPONENT A - DESERT SAND  
**Product Code** EGG922F  
**Product Class** WATERBORNE EPOXY  
**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)**  
 CANUTEC: 613-996-6666

### 2. COMPOSITION INFORMATION ON COMPONENTS

#### Hazardous Components

Chemical Name	CAS-No	Weight % (max)
Talc	14807-96-6	15 - 40%
Titanium dioxide	13463-67-7	15 - 40%
Aliphatic polyamine		10 - 30%
2-Propoxyethanol	2807-30-9	7 - 13%
Acetic acid	64-19-7	1 - 5%
Dipropylene glycol monomethyl ether	34590-94-8	1 - 5%
Silica, crystalline	14808-60-7	0.1 - 0.25%
Distillates, petroleum, solvent-refined heavy paraffinic	64741-88-4	0.1 - 0.25%
Distillates (petroleum), solvent-refined light paraffinic	64741-89-5	0.1 - 0.25%

### 3. HAZARDS IDENTIFICATION

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#### Emergency Overview

#### **WARNING**

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

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

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**

Avoid contact with eyes. Causes eye irritation. Severe eye irritation. Risk of serious damage to eyes.

##### **Skin**

Avoid contact with skin. May cause skin irritation. May be absorbed through the skin in harmful amounts.

##### **Inhalation**

Avoid breathing vapors or mists. May cause irritation of respiratory tract. Inhalation of high vapor / aerosol concentrations may cause irritation of respiratory system. May cause headaches, dizziness, drowsiness, unconsciousness, and other central nervous system effects.

##### **Ingestion**

Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause effects similar to those listed under "Inhalation."

#### **Chronic Effects**

Avoid repeated exposure. Prolonged exposure may cause chronic effects. Repeated contact may cause allergic reactions in very susceptible persons. May cause blood 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** None known

**HMIS**            **Health:** 2\*            **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>	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 for at least 15 minutes.. Remove and wash contaminated clothing before re-use. Consult 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>	Do not induce vomiting. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician immediately.
<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>	
Upper Explosion Limit	Not applicable
Lower Explosion Limit	Not applicable

**NFPA**      Health: 2      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

<b>Personal Precautions</b>	Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.. Use personal protective equipment.
<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>	Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.
<b>Other Information</b>	None known

## 7. HANDLING AND STORAGE

<b>Handling</b>	Keep in a well-ventilated place. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. In case of insufficient ventilation, wear suitable respiratory equipment. Remove and wash contaminated clothing before re-use. The hazard and precautionary statements displayed on the label also apply to any residues left in the container..
<b>Storage</b>	Keep away from direct sunlight. Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Keep out of the reach of children.. Keep in properly labeled containers.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limits**

**Hazardous Components**

Chemical Name	ACGIH	Alberta	British Columbia	Ontario	Quebec
Talc	2 mg/m <sup>3</sup> - TWA	2 mg/m <sup>3</sup> - TWA	2 mg/m <sup>3</sup> - TWA particulate matter containing no asbestos and less than 1% crystalline silica	2 mg/m <sup>3</sup> - TWAEV containing no asbestos and less than 1% crystalline silica	3 mg/m <sup>3</sup> - TWAEV

Titanium dioxide	10 mg/m <sup>3</sup> - TWA	10 mg/m <sup>3</sup> - TWA	10 mg/m <sup>3</sup> - TWA 3 mg/m <sup>3</sup> - TWA	10 mg/m <sup>3</sup> - TWAEV	10 mg/m <sup>3</sup> - TWAEV
Aliphatic polyamine	N/E	N/E	N/E	N/E	N/E
2-Propoxyethanol	N/E	N/E	N/E	110 mg/m <sup>3</sup> - TWAEV 25 ppm - TWAEV Absorption through skin, eyes, or mucous membranes	N/E
Acetic acid	10 ppm - TWA 15 ppm - STEL	10 ppm - TWA 25 mg/m <sup>3</sup> - TWA 15 ppm - STEL 37 mg/m <sup>3</sup> - STEL	10 ppm - TWA 15 ppm - STEL	10 ppm - TWAEV 25 mg/m <sup>3</sup> - TWAEV 15 ppm - STEV 37 mg/m <sup>3</sup> - STEV	10 ppm - TWAEV 25 mg/m <sup>3</sup> - TWAEV 15 ppm - STEV 37 mg/m <sup>3</sup> - STEV
Dipropylene glycol monomethyl ether	100 ppm - TWA 150 ppm - STEL Skin	100 ppm - TWA 606 mg/m <sup>3</sup> - TWA 150 ppm - STEL 909 mg/m <sup>3</sup> - STEL Substance may be readily absorbed through intact skin	100 ppm - TWA 150 ppm - STEL Skin absorption can contribute to overall exposure.	100 ppm - TWAEV 605 mg/m <sup>3</sup> - TWAEV 150 ppm - STEV 910 mg/m <sup>3</sup> - STEV	100 ppm - TWAEV 606 mg/m <sup>3</sup> - TWAEV 150 ppm - STEV 909 mg/m <sup>3</sup> - STEV Skin absorption can contribute to overall exposure.
Silica, crystalline	0.025 mg/m <sup>3</sup> - TWA	0.1 mg/m <sup>3</sup> - TWA	0.025 mg/m <sup>3</sup> - TWA	0.10 mg/m <sup>3</sup> - TWAEV designated substance regulation	0.1 mg/m <sup>3</sup> - TWAEV
Distillates, petroleum, solvent-refined heavy paraffinic	N/E	N/E	N/E	N/E	N/E
Distillates (petroleum), solvent-refined light paraffinic	N/E	N/E	N/E	N/E	N/E

**Legend**

ACGIH - American Conference of Governmental Industrial Hygienists  
 Alberta - Alberta Occupational Exposure Limits  
 British Columbia - British Columbia Occupational Exposure Limits  
 Ontario - Ontario Occupational Exposure Limits  
 Quebec - Quebec Occupational 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**

Impervious gloves. Impervious clothing. Apron. Boots.

**Respiratory Protection**

In case of insufficient ventilation wear suitable respiratory equipment.. 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	liquid
Odor	little or no odor
Density (lbs/gal)	11.4 - 11.8
Specific Gravity	1.35 - 1.45
pH	Not available
Viscosity (centistokes)	Not available
Evaporation Rate	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Wt. % Solids	50 - 60
Vol. % Solids	30 - 45
Wt. % Volatiles	40 - 50
Vol. % Volatiles	55 - 70
VOC Regulatory Limit (g/L)	<250
Boiling Point (°F)	212
Boiling Point (°C)	100
Freezing Point (°F)	32
Freezing Point (°C)	0
Flash Point (°F)	Not applicable
Flash Point (°C)	Not applicable
Flash Point Method	Not applicable
Upper Explosion Limit	Not available
Lower Explosion Limit	Not available

## 10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions To Avoid	Prevent from freezing, direct sunlight.
Incompatible Materials	Strong oxidizing agents. Strong acids. strong alkalies.
Hazardous Decomposition Products	None under normal use.
Possibility Of Hazardous Reactions	Hazardous polymerisation will not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### Product

No information available

#### Component

##### Titanium dioxide

LD50 Oral: > 10000 mg/kg (Rat)

LD50 Dermal: > 10000 mg/m<sup>3</sup> (Rabbit)  
 LC50 Inhalation (Dust): > 6.82 mg/L (Rat, 4 hr.)

2-Propoxyethanol

LD50 Oral: 3089-3090 mg/kg (Rat)  
 LD50 Dermal: 960 µL/kg (Rabbit)  
 LC50 Inhalation (Vapor): 9060 mg/m<sup>3</sup> (Rat)

Acetic acid

LD50 Oral: 3310 mg/kg (Rat)  
 LD50 Dermal: 1060 µL/kg (Rabbit)  
 Sensitization: No sensitizing effects known.

Dipropylene glycol monomethyl ether

LD50 Oral: 5400 µL/kg (Rat)  
 LD50 Dermal: 10 mL/kg (Rabbit)

Silica, crystalline

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

Distillates, petroleum, solvent-refined heavy paraffinic

LD50 Oral: > 5,000 mg/kg (Rat)  
 LD50 Dermal: > 2,000 mg/kg  
 LC50 Inhalation (Vapor): > 3.9 mg/L (Rat, 4 hr.)

Distillates (petroleum), solvent-refined light paraffinic

LD50 Oral: > 15 g/kg (Rat)  
 LD50 Dermal: > 5 g/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>
Titanium dioxide		2B - Possible Human Carcinogen		Listed
Silica, crystalline	A2 - Suspected Human Carcinogen	1 - Human Carcinogen	Known Human Carcinogen	Listed
Distillates, petroleum, solvent-refined heavy paraffinic		1 - Human Carcinogen		
Distillates (petroleum), solvent-refined light paraffinic		1 - Human Carcinogen		

- 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

Titanium dioxide

LC50: >1000 mg/L (Fathead Minnow - 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, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options..

## 14. TRANSPORT INFORMATION



## 14. TRANSPORT INFORMATION

<b>TDG</b>	Not regulated
<b>ICAO / IATA</b>	Not regulated
<b>IMDG / IMO</b>	Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

<b>United States TSCA</b>	Yes - All components are listed or exempt.
<b>Canada DSL</b>	Yes - All components are listed or exempt.

### National Pollutant Release Inventory (NPRI)

#### NPRI Parts 1- 4

This product contains the following Parts 1-4 NPRI chemicals:

<u>Chemical Name</u>	<u>CAS-No</u>	<u>Weight % (max)</u>
2-Propoxyethanol	2807-30-9	7 - 13%
Acetic acid	64-19-7	1 - 5%
Dipropylene glycol monomethyl ether	34590-94-8	1 - 5%

*This product may contain trace amounts of (other) NPRI Parts 1-4 reportable chemicals. Contact the preparer for further information.*

#### NPRI Part 5

This product contains the following NPRI Part 5 Chemicals:

*This product may contain trace amounts of (other) NPRI Part 5 reportable chemicals. Contact the preparer for further information.*

### WHMIS Regulatory Status

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

### WHMIS Hazard Class

D2A Very toxic materials



## 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 logging onto Health Canada @ [http://www.hc-sc.gc.ca/iyh-vsv/prod/paint-peinture\\_e.html](http://www.hc-sc.gc.ca/iyh-vsv/prod/paint-peinture_e.html).

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**Revision Summary** No information available

### Disclaimer

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EGG922F

**End of MSDS**