



Material Safety Data Sheet

Revision Date: 10-Oct-2011

Revision Number: 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name GARAGE GUARD WATER BASED EPOXY COMP A
Product Code EGG-Series
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)
 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	30
Talc	14807-96-6	25
Polyamine		20
Nepheline syenite	37244-96-5	15
2-Propoxyethanol	2807-30-9	10
Iron oxide	1309-37-1	5
Acetic acid	64-19-7	5
Silica, amorphous	7631-86-9	5
Dipropylene glycol monomethyl ether	34590-94-8	5
Distillates, petroleum, solvent-refined heavy paraffinic	64741-88-4	0.5
Distillates (petroleum), solvent-refined light paraffinic	64741-89-5	0.5
Silica, crystalline	14808-60-7	0.5
Carbon black	1333-86-4	0.5

3. HAZARDS IDENTIFICATION

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Emergency Overview

WARNING

Vapor harmful. Harmful by inhalation. Irritating to respiratory system. Severe eye irritation. Irritating to skin. Harmful in contact with skin. 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. Severe eye irritation. Risk of serious damage to eyes.

Skin

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

Inhalation

May cause irritation of respiratory tract. Avoid breathing vapors or mists. Harmful by inhalation. 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. May cause irritation of the digestive tract. May cause effects similar to those listed under "Inhalation."

Chronic Effects

Avoid repeated exposure. Prolonged exposure may cause chronic effects. 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

General Advice	No hazards which require special first aid measures.
Eye Contact	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.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Consult a physician.
Inhalation	Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration. Call a physician immediately.
Ingestion	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.
Notes To Physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

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

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. 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..
- 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** 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.
- Storage** Keep away from direct sunlight. 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	OSHA
Titanium dioxide	10 mg/m ³ - TWA	15 mg/m ³ - TWA total
Talc	2 mg/m ³ - TWA	20 mppcf - TWA
Polyamine	N/E	N/E
Nepheline syenite	N/E	5 mg/m ³ - TWA (nuisance dust)
2-Propoxyethanol	N/E	N/E
Iron oxide	5 mg/m ³ - TWA	10 mg/m ³ - TWA

Acetic acid	10 ppm - TWA 15 ppm - STEL	10 ppm - TWA 25 mg/m ³ - TWA
Silica, amorphous	N/E	- (80)/(%) SiO ₂ mg/m ³ TWA 20 mppcf - TWA
Dipropylene glycol monomethyl ether	100 ppm - TWA 150 ppm - STEL Skin	100 ppm - TWA 600 mg/m ³ - TWA prevent or reduce skin absorption
Distillates, petroleum, solvent-refined heavy paraffinic	N/E	N/E
Distillates (petroleum), solvent-refined light paraffinic	N/E	N/E
Silica, crystalline	0.025 mg/m ³ - TWA	respirable - (10)/(%)SiO ₂ + 2) mg/m ³ TWA respirable - (250)/(%)SiO ₂ + 5) mppcf TWA total dust - (30)/(%)SiO ₂ + 2) mg/m ³ TWA
Carbon black	3.5 mg/m ³ - TWA	3.5 mg/m ³ - 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

Protective gloves and 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.

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)	10.2 - 12.3
Specific Gravity	1.1 - 1.5
pH	Not available
Viscosity (centistokes)	Not available
Evaporation Rate	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Wt. % Solids	43 - 62
Vol. % Solids	29 - 42
Wt. % Volatiles	38 - 57
Vol. % Volatiles	58 - 71
VOC Regulatory Limit (g/L)	<250
Boiling Point (°F)	212
Boiling Point (°C)	100
Freezing Point (°F)	32

9. PHYSICAL AND CHEMICAL PROPERTIES

Freezing Point (°C)	0
Flash Point (°F)	Not applicable
Flash Point (°C)	Not applicable
Flash Point Method	Not applicable
Upper Explosion Limit	Not applicable
Lower Explosion Limit	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions To Avoid	direct sunlight.
Incompatible Materials	Strong oxidizing agents, Strong acids, strong alkalies.
Hazardous Decomposition Products	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: > 10000 mg/kg (Rat)

LD50 Dermal: > 10000 mg/m³ (Rabbit)

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

Nepheline syenite

Sensitization: No sensitizing effects known.

2-Propoxyethanol

LD50 Oral: 3089-3090 mg/kg (Rat)

LD50 Dermal: 960 µL/kg (Rabbit)

LC50 Inhalation (Vapor): 9060 mg/m³ (Rat)

Iron oxide

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

Acetic acid

LD50 Oral: 3310 mg/kg (Rat)

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

Silica, amorphous

LD50 Oral: > 5000 mg/kg (Rat)
LD50 Dermal: 2,000 mg/kg (Rabbit)
LC50 Inhalation (Dust): > 2 mg/L

Dipropylene glycol monomethyl ether

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

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)

Silica, crystalline

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

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:

Chemical Name	ACGIH	IARC	NTP	OSHA Carcinogen
Titanium dioxide		2B - Possible Human Carcinogen		Listed
Distillates, petroleum, solvent-refined heavy paraffinic		1 - Human Carcinogen		
Distillates (petroleum), solvent-refined light paraffinic		1 - Human Carcinogen		
Silica, crystalline	A2 - Suspected Human Carcinogen	1 - Human Carcinogen	Known 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

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

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DOT	Not regulated
ICAO / IATA	Not regulated
IMDG / IMO	Not regulated

15. REGULATORY INFORMATION

International Inventories

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	No
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>
2-Propoxyethanol	2807-30-9	10
Dipropylene glycol monomethyl ether	34590-94-8	5

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>
2-Propoxyethanol	2807-30-9	10
Dipropylene glycol monomethyl ether	34590-94-8	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
Talc	X	X	X		X
2-Propoxyethanol		X	X		
Iron oxide	X	X	X		X
Acetic acid	X	X	X		X
Silica, amorphous	X	X	X		
Dipropylene glycol monomethyl ether	X	X	X		X
Distillates (petroleum), solvent-refined light paraffinic	X				
Silica, crystalline	X	X	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.

Prepared By Product Stewardship Department
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End of MSDS