



## Material Safety Data Sheet

Revision Date: 11-Oct-2011

Revision Number: 3

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** CHECKRUST INSL-TILE II ACTIVATED EPOXY COATING  
**Product Code** COMPONENT A  
**Product Class** EP53-SERIES  
**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)
Nepheline syenite	37244-96-5	45
Talc	14807-96-6	40
Titanium dioxide	13463-67-7	40
Polyamide		35
Xylene	1330-20-7	20
Ethyl benzene	100-41-4	10
Solvent naphtha, petroleum, light aromatic	64742-95-6	5
2-Propoxyethanol	2807-30-9	5
Propylene glycol monomethyl ether	107-98-2	5
n-Butyl alcohol	71-36-3	5
1,2,4-Trimethylbenzene	95-63-6	5
Propylene glycol monomethyl ether acetate	108-65-6	5
Silica, amorphous	7631-86-9	5
Carbon black	1333-86-4	5
Stoddard solvent	8052-41-3	5
Silica, crystalline	14808-60-7	0.5

### 3. HAZARDS IDENTIFICATION

#### Emergency Overview

#### **DANGER**

Vapor harmful. Harmful by inhalation. Harmful if swallowed. Irritating to eyes. Irritating to skin. May cause sensitization by skin contact. May cause respiratory sensitization. Flammable.

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** 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. Vapor may cause irritation with symptoms of burning and tearing. Risk of serious damage to eyes.

##### **Skin**

Irritating to skin. Avoid contact with skin. May cause skin sensitization. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. May be absorbed through the skin in harmful amounts.

##### **Inhalation**

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. May cause respiratory sensitization.

##### **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.

#### **Chronic Effects**

Avoid repeated exposure. Repeated contact may cause allergic reactions in very susceptible persons. Can be absorbed through skin.

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 soap and 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 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)	80
Flash Point (°C)	27
Flash Point Method	PMCC
<b>Flammability Limits In Air</b>	
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

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**Handling**

Keep in a well-ventilated place. Use only in area provided with appropriate exhaust ventilation. Do not breathe vapors or spray mist. Wear personal protective equipment. Take precautionary measures against static discharges. 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. In case of insufficient ventilation, wear suitable respiratory equipment. Remove and wash contaminated clothing before re-use.

**Storage**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Keep in properly labeled containers. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limits**

**Hazardous Components**

Chemical Name	ACGIH	OSHA
Nepheline syenite	N/E	5 mg/m <sup>3</sup> - TWA (nuisance dust)
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
Polyamide	N/E	N/E
Xylene	100 ppm - TWA 150 ppm - STEL	100 ppm - TWA 435 mg/m <sup>3</sup> - TWA
Ethyl benzene	100 ppm - TWA 125 ppm - STEL	100 ppm - TWA 435 mg/m <sup>3</sup> - TWA
Solvent naphtha, petroleum, light aromatic	N/E	N/E
2-Propoxyethanol	N/E	N/E
Propylene glycol monomethyl ether	100 ppm - TWA 150 ppm - STEL	N/E
n-Butyl alcohol	20 ppm - TWA	100 ppm - TWA 300 mg/m <sup>3</sup> - TWA
1,2,4-Trimethylbenzene	N/E	N/E
Propylene glycol monomethyl ether acetate	N/E	N/E
Silica, amorphous	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
Stoddard solvent	100 ppm - TWA	2900 mg/m <sup>3</sup> - TWA 500 ppm - TWA
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

**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**

<b>Eye/Face Protection</b>	Safety glasses with side-shields. If splashes are likely to occur, wear:. Tightly fitting safety goggles. Face-shield.
<b>Skin Protection</b>	Long sleeved clothing. Protective gloves. Boots.
<b>Respiratory Protection</b>	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.
<b>Hygiene Measures</b>	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>	10.2 - 13.1
<b>Specific Gravity</b>	1.1 - 1.6
<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>	65 - 85
<b>Vol. % Solids</b>	55 - 70
<b>Wt. % Volatiles</b>	15 - 35
<b>Vol. % Volatiles</b>	30 - 45
<b>VOC Regulatory Limit (g/L)</b>	< 340
<b>Boiling Point (°F)</b>	279
<b>Boiling Point (°C)</b>	137
<b>Freezing Point (°F)</b>	Not available
<b>Freezing Point (°C)</b>	Not available
<b>Flash Point (°F)</b>	80
<b>Flash Point (°C)</b>	27
<b>Flash Point Method</b>	PMCC
<b>Upper Explosion Limit</b>	Not available
<b>Lower Explosion Limit</b>	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., rubber.
<b>Hazardous Decomposition Products</b>	Thermal decomposition can lead to release of irritating gases and vapors.

**Possibility Of Hazardous Reactions**

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**

##### Nepheline syenite

Sensitization: No sensitizing effects known.

##### 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.)

##### 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.

##### 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.

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

LD50 Oral: 8400 mg/kg (Rat)

##### 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)

##### 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)

##### n-Butyl alcohol

LD50 Oral: 790 - 800 mg/kg (Rat)

LD50 Dermal: 3400 mg/kg  
 LC50 Inhalation (Vapor): 24000 mg/m<sup>3</sup> (Rat, 4 hr.)

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 acetate

LD50 Oral: 8532 mg/kg (Rat)  
 LD50 Dermal: > 5000 mg/kg (Rabbit)  
 LC50 Inhalation (Vapor): > 4345 ppm

Silica, amorphous

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

Carbon black

LD50 Oral: > 15400 mg/kg (Rat)  
 LD50 Dermal: > 3000 mg/kg (Rabbit)

Stoddard solvent

LD50 Oral: > 5,000 mg/kg (Rat)  
 LD50 Dermal: > 3160 mg/kg (Rabbit)  
 LC50 Inhalation (Vapor): > 6.1 mg/L (Rat)

Silica, crystalline

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

**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
Ethyl benzene	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans	2B - Possible Human Carcinogen		Listed
Carbon black		2B - Possible Human Carcinogen		Listed
Silica, crystalline	A2 - Suspected Human Carcinogen	1 - Human Carcinogen	Known 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.)

Xylene

LC50: 13.5 mg/L (Rainbow Trout - 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

## 12. ECOLOGICAL INFORMATION

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

Proper Shipping Name	Paint
Hazard Class	3
UN-No	UN1263
Packing Group	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

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>
Xylene	1330-20-7	20
Ethyl benzene	100-41-4	10
2-Propoxyethanol	2807-30-9	5
n-Butyl alcohol	71-36-3	5
1,2,4-Trimethylbenzene	95-63-6	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>
Xylene	1330-20-7	20
Ethyl benzene	100-41-4	10
2-Propoxyethanol	2807-30-9	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**

<u>Chemical Name</u>	<u>Massachusetts</u>	<u>New Jersey</u>	<u>Pennsylvania</u>	<u>Louisiana</u>	<u>Rhode Island</u>
Talc	X	X	X		X
Titanium dioxide	X	X	X		X
Xylene	X	X	X		X
Ethyl benzene	X	X	X		X
2-Propoxyethanol		X	X		
Propylene glycol monomethyl ether	X	X	X		X
n-Butyl alcohol	X	X	X		X
1,2,4-Trimethylbenzene	X	X	X		
Silica, amorphous	X	X	X		
Carbon black	X	X	X		X
Stoddard solvent	X	X	X		X
Silica, crystalline	X	X	X		X

**Legend**

X - Listed

**16. OTHER INFORMATION**

## 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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**Revision Summary** Not available

### Disclaimer

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**End of MSDS**