



Material Safety Data Sheet

Revision Date: 05-Jan-2010

Revision Number: 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name **INSLTHANE II ACRYLIC WATERBORNE ENAMEL**
Product Code **LE7500-Series**
Product Class WATER THINNED PAINT
Color All

Manufacturer **Emergency Telephone Number(s)**
 Complementary Coatings Corp. CHEMTREC (US): 800-424-9300
 dba Insl-X CHEMTREC (outside US): (703)-527-3887
 101 Paragon Drive
 Montvale, NJ 07645
 Phone: (800)-225-5554
 www.insl-x.com

2. COMPOSITION INFORMATION ON COMPONENTS

Hazardous Components

Chemical Name	CAS-No	Weight % (max)
Titanium dioxide	13463-67-7	25
Nepheline syenite	37244-96-5	20
Iron oxide	1309-37-1	10
2-Butoxyethanol	111-76-2	10
Talc	14807-96-6	5
Ammonium hydroxide	1336-21-6	5
Carbon black	1333-86-4	5
Butyl Benzyl Phthalate	85-68-7	5
PIGMENTORANGE16	6505-28-8	5
Silica, amorphous	7631-86-9	5
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	5
Sodium nitrite	7632-00-0	0.5

3. HAZARDS IDENTIFICATION

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Emergency Overview

WARNING

Vapor harmful. Irritating to respiratory system. Irritating to skin. Irritating to eyes.

Appearance liquid

Odor little or no odor

Potential Health Effects

Principal Routes of Exposure Eye contact, skin contact and inhalation.

Acute Effects

Eyes

Causes eye irritation. Avoid contact with eyes.

Skin

Irritating to skin. Avoid contact with skin.

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.

Chronic Effects

Avoid repeated exposure. May cause blood damage.

See Section 11 for additional Toxicological information.

Aggravated Medical Conditions None known

HMIS Health: 1* Flammability: 0 Reactivity: 0 PPE: B

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

General Advice

No hazards which require special first aid measures.

Eye Contact

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Ingestion	Do not induce vomiting. Immediate medical attention is required.
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: 1 Flammability: 0 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.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

Environmental Precautions	Prevent further leakage or spillage if safe to do so.
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	Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.
Storage	Keep container tightly closed. Keep out of the reach of children.

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
Nepheline syenite	N/E	5 mg/m ³ - TWA (nuisance dust)
Iron oxide	5 mg/m ³ - TWA	10 mg/m ³ - TWA
2-Butoxyethanol	20 ppm - TWA	240 mg/m ³ - TWA 50 ppm - TWA prevent or reduce skin absorption
Talc	2 mg/m ³ - TWA	20 mppcf - TWA
Ammonium hydroxide	N/E	N/E
Carbon black	3.5 mg/m ³ - TWA	3.5 mg/m ³ - TWA
Butyl Benzyl Phthalate	N/E	N/E
PIGMENTORANGE16	N/E	N/E
Silica, amorphous	N/E	- (80)/(% SiO ₂) mg/m ³ TWA 20 mppcf - TWA
Ethanol, 2-(2-butoxyethoxy)-	N/E	N/E
Sodium nitrite	N/E	N/E

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** Safety glasses with side-shields.
- Skin Protection** Protective gloves and impervious clothing.
- Respiratory Protection** In case of insufficient ventilation wear suitable respiratory equipment.

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)	8.5 - 10.5
Specific Gravity	1.0 - 1.3
pH	Not available
Viscosity (centistokes)	Not available
Evaporation Rate	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Wt. % Solids	30 - 55
Vol. % Solids	30 - 45
Wt. % Volatiles	45 - 70
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 applicable
Lower Explosion Limit	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions To Avoid	Prevent from freezing
Incompatible Materials	No materials to be especially mentioned.
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: > 24000 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.

Iron oxide

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

2-Butoxyethanol

LD50 Oral: 470 mg/kg (Rat)
 LD50 Dermal: 220 mg/kg (Rabbit)
 LC50 Inhalation (Vapor): 450 ppm (Rat, 4 hr.)
 Sensitization: No sensitizing effects known.

Talc

Sensitization: No information available

Ammonium hydroxide

LD50 Oral: 350 mg/kg (Rat)

Carbon black

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

Silica, amorphous

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

Ethanol, 2-(2-butoxyethoxy)-

LD50 Oral: > 5000 mg/kg (Rat)
 LD50 Dermal: 4000 mg/kg (Rabbit)

Sodium nitrite

LD50 Oral: 180 mg/kg (Rat)
 LC50 Inhalation (Dust): 5.5 mg/m³ (Rat, 4 hr.)

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
2-Butoxyethanol	A3			

Chemical Name	ACGIH	IARC	NTP	OSHA Carcinogen
Carbon black		2B - Possible Human Carcinogen		Listed
PIGMENTORANGE16		1 - Human Carcinogen		
Sodium nitrite		2A - Probable Human Carcinogen		

- 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.)

2-Butoxyethanol
 LC50: 1490 mg/L (Bluegill sunfish - 96 hr.)

Acute Toxicity to Aquatic Invertebrates
 No information available

12. ECOLOGICAL INFORMATION

Acute Toxicity to Aquatic Plants

No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

Dispose of in accordance with federal, state, 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 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 No - Not all of the components are listed.

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>
Sodium nitrite	7632-00-0	0.5

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>
2-Butoxyethanol	111-76-2	10
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	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

<u>Chemical Name</u>	<u>Massachusetts</u>	<u>New Jersey</u>	<u>Pennsylvania</u>	<u>Louisiana</u>	<u>Rhode Island</u>
Titanium dioxide	X	X	X		X
Iron oxide	X	X	X		X
2-Butoxyethanol	X	X	X		X
Talc	X	X	X		X
Ammonium hydroxide	X	X	X		
Carbon black	X	X	X		X
Butyl Benzyl Phthalate	X	X	X		
Silica, amorphous	X	X	X		
Sodium nitrite	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
Complementary Coatings Corp.
dba Insl-X
101 Paragon Drive
Montvale, NJ 07645
Phone: 1-800-225-5554

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End of MSDS