



## Material Safety Data Sheet

Revision Date: 20-Sep-2011

Revision Number: 3

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** MAXUM SOLID COLOR 100% ACRYLIC DECK STAIN  
**Product Code** M8500-SERIES  
**Product Class** STAIN  
**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	20
Nepheline syenite	37244-96-5	10
2-Butoxyethanol	111-76-2	10
Iron oxide	1309-37-1	10
Limestone	1317-65-3	10
Kaolin	1332-58-7	10
Carbon black	1333-86-4	0.5

### 3. HAZARDS IDENTIFICATION

#### Emergency Overview

#### **CAUTION**

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

**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. Contact with eyes may cause irritation..

**Skin**

May cause skin irritation and/or dermatitis.. May be absorbed through the skin in harmful amounts.

**Inhalation**

May cause irritation of respiratory tract. Avoid breathing vapors or mists. May cause headaches, dizziness, drowsiness, unconsciousness, and other central nervous system effects. May cause blood damage.

**Ingestion**

May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.. May cause blood damage.

#### **Chronic Effects**

Avoid repeated exposure. May cause blood damage. Repeated contact may cause allergic reactions in very susceptible persons. Prolonged exposure may cause chronic effects.

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**

Show this safety data sheet to the doctor in attendance.

#### **Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Immediate medical attention is required.

#### **Skin Contact**

Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Immediate medical attention is required.

#### **Inhalation**

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. Never give anything by mouth to an unconscious person. Immediate medical attention is required.
<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>	
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](http://www.nfpa.org).*

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation..
<b>Environmental Precautions</b>	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** Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.. Remove and wash contaminated clothing before re-use.

**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 <sup>3</sup> - TWA	15 mg/m <sup>3</sup> - TWA total
Nepheline syenite	N/E	5 mg/m <sup>3</sup> - TWA (nuisance dust)
2-Butoxyethanol	20 ppm - TWA	240 mg/m <sup>3</sup> - TWA 50 ppm - TWA prevent or reduce skin absorption
Iron oxide	5 mg/m <sup>3</sup> - TWA	10 mg/m <sup>3</sup> - TWA
Limestone	N/E	15 mg/m <sup>3</sup> - TWA total 5 mg/m <sup>3</sup> - TWA
Kaolin	2 mg/m <sup>3</sup> - TWA	15 mg/m <sup>3</sup> - TWA total 5 mg/m <sup>3</sup> - 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

Safety glasses with side-shields. If splashes are likely to occur, wear:. Goggles.  
Face-shield.

##### Skin Protection

Protective gloves and impervious clothing.. Apron.

##### 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

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Appearance	liquid
Odor	little or no odor
Density (lbs/gal)	9.1 - 10.7
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	35 - 55
Vol. % Solids	30 - 45
Wt. % Volatiles	45 - 65
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: > 10000 mg/kg (Rat)

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

Nepheline syenite

Sensitization: No sensitizing effects known.

2-Butoxyethanol

LD50 Oral: 470 mg/kg (Rat)  
 LD50 Dermal: 220 mg/kg (Rabbit)  
 LC50 Inhalation (Vapor): 2.2 mg/L (Rat, 4 hr.)  
 Sensitization: No sensitizing effects known.

Iron oxide

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

Limestone

LD50 Oral: 6,450 mg/kg (Rat) vendor data  
 Sensitization: No sensitizing effects known.

Kaolin

LD50 Oral: > 5000 mg/kg (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>
Titanium dioxide		2B - Possible Human Carcinogen		Listed
2-Butoxyethanol	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans			
Carbon black		2B - Possible Human Carcinogen		Listed

- 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

**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

## 14. TRANSPORT INFORMATION

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-Butoxyethanol	111-76-2	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>
2-Butoxyethanol	111-76-2	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**

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Louisiana	Rhode Island
Titanium dioxide	X	X	X		X
2-Butoxyethanol	X	X	X		X
Iron oxide	X	X	X		X
Limestone	X	X	X		X
Kaolin	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](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**