



Material Safety Data Sheet

Revision Date: 18-Nov-2009

Revision Number: 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Rust Scat Rust Preventative Polyurethane Satin Enamel
Product Code 651-Series
Product Class SOLVENT THINNED PAINT
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) |
|--|------------|----------------|
| Stoddard solvent | 8052-41-3 | 25 |
| Limestone | 1317-65-3 | 25 |
| Titanium dioxide | 13463-67-7 | 25 |
| Talc | 14807-96-6 | 15 |
| Distillates, petroleum, hydrotreated light | 64742-47-8 | 10 |
| Solvent naphtha, petroleum, light aromatic | 64742-95-6 | 5 |
| Carbon black | 1333-86-4 | 5 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 5 |
| Silica, amorphous | 7631-86-9 | 5 |
| Kaolin, calcined | 66402-68-4 | 1 |
| Cobalt bis(2-ethylhexanoate) | 136-52-7 | 0.5 |
| Silica, crystalline | 14808-60-7 | 0.5 |

3. HAZARDS IDENTIFICATION

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Emergency Overview

DANGER

Combustible material. Vapor harmful.

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.

Skin

Irritating to skin. Avoid contact with skin.

Inhalation

Irritating to respiratory system. Avoid breathing vapors or mists.

Ingestion

Harmful if swallowed. May be fatal if swallowed.

Chronic Effects

Avoid repeated exposure. Prolonged exposure may cause chronic effects. Intentional misuse by deliberately concentrating and inhaling solvents may be harmful or fatal.

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:** 1* **Flammability:** 2 **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

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| | |
|-----------------------------------|---|
| General Advice | If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance. |
| 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. Immediate medical attention is required. |
| Skin Contact | Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes, If skin irritation persists, call a physician. |
| Inhalation | Move to fresh air in case of accidental inhalation of vapours. If symptoms persist, call a physician. |
| Ingestion | Ingestion. Do not induce vomiting. Immediate medical attention is required. |
| Notes To Physician | Treat symptomatically. |
| Protection Of First-Aiders | Use personal protective equipment. |

5. FIRE-FIGHTING MEASURES

| | |
|--|--|
| Suitable Extinguishing Media | Foam, dry powder or water. 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 | Combustible material. 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. |
| Sensitivity To Mechanical Impact | No |
| Sensitivity To Static Discharge | Yes |
| Flash Point Data | |
| Flash Point (°F) | 100 |
| Flash Point (°C) | 38 |
| Flash Point Method | PMCC |
| Flammability Limits In Air | |
| Lower Explosion Limit | Not available |
| Upper Explosion Limit | Not available |

NFPA **Health:** 1 **Flammability:** 2 **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

Remove all sources of ignition. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation..

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

Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

Other Information

None known

7. HANDLING AND STORAGE

Handling

Use only in area provided with appropriate exhaust ventilation. 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. Wear personal protective equipment. Do not breathe vapors or spray mist. Take precautionary measures against static discharges. Use product only in closed system.

Storage

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

Hazardous Components

| Chemical Name | ACGIH | OSHA |
|--|----------------------------|---|
| Stoddard solvent | 100 ppm - TWA | 2900 mg/m ³ - TWA 500 ppm - TWA |
| Limestone | N/E | 15 mg/m ³ - TWA total 5 mg/m ³ - TWA |
| Titanium dioxide | 10 mg/m ³ - TWA | 15 mg/m ³ - TWA total |
| Talc | 2 mg/m ³ - TWA | 20 mppcf - TWA |
| Distillates, petroleum, hydrotreated light | N/E | N/E |

| | | |
|--|-------------------------------|---|
| Solvent naphtha, petroleum, light aromatic | N/E | N/E |
| Carbon black | 3.5 mg/m ³ - TWA | 3.5 mg/m ³ - TWA |
| 1,2,4-Trimethylbenzene | N/E | N/E |
| Silica, amorphous | N/E | - (80)/(% SiO ₂) mg/m ³ TWA 20 mppcf - TWA |
| Kaolin, calcined | N/E | 5 mg/m ³ - TWA |
| Cobalt bis(2-ethylhexanoate) | 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 |

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

Long sleeved clothing. Chemical resistant apron. Antistatic boots. Protective gloves.

Respiratory Protection

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. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------------------|---------------|
| Appearance | liquid |
| Odor | solvent |
| Density (lbs/gal) | 9.7 - 11.2 |
| Specific Gravity | 1.0 - 1.4 |
| pH | Not available |
| Viscosity (centistokes) | Not available |
| Evaporation Rate | Not available |
| Vapor Pressure | Not available |
| Vapor Density | Not available |
| Wt. % Solids | 67 - 73 |
| Vol. % Solids | 47 - 53 |
| Wt. % Volatiles | 27 - 33 |
| Vol. % Volatiles | 47 - 53 |
| VOC Regulatory Limit (g/L) | <400 |
| Boiling Point (°F) | 279 |
| Boiling Point (°C) | 137 |
| Freezing Point (°F) | 0 |
| Freezing Point (°C) | -18 |
| Flash Point (°F) | 100 |
| Flash Point (°C) | 38 |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------|---------------|
| Flash Point Method | PMCC |
| Upper Explosion Limit | Not available |
| Lower Explosion Limit | Not available |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Chemical Stability | Stable under normal conditions. Hazardous polymerisation does not occur. |
| Conditions To Avoid | Keep away from open flames, hot surfaces, static electricity and sources of ignition. |
| Incompatible Materials | Incompatible with strong acids and bases and strong oxidizing agents. |
| Hazardous Decomposition Products | 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

Stoddard solvent

LD50 Oral: > 5,000 mg/kg (Rat)

LD50 Dermal: > 3160 mg/kg (Rabbit)

LC50 Inhalation (Vapor): > 6.1 mg/L (Rat)

Limestone

LD50 Oral: 6,450 mg/kg (Rat) vendor data

Sensitization: No sensitizing effects known.

Titanium dioxide

LD50 Oral: > 24000 mg/kg (Rat)

LD50 Dermal: > 10000 mg/m³ (Rabbit)

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

Talc

Sensitization: No information available

Distillates, petroleum, hydrotreated light

LD50 Oral: > 5,000 mg/kg (Rat)

LD50 Dermal: > 3,000 mg/kg (Rabbit)

Solvent naphtha, petroleum, light aromatic

LD50 Oral: 8400 mg/kg (Rat)

Carbon black

LD50 Oral: > 15400 mg/kg (Rat)

LD50 Dermal: > 3000 mg/kg (Rabbit)

1,2,4-Trimethylbenzene

LD50 Oral: 5000 mg/kg (Rat)

LC50 Inhalation (Vapor): 18000 mg/m³ (Rat, 4 hr.)

Silica, amorphous

LD50 Oral: > 10000 mg/kg (Rat)

LD50 Dermal: 2,000 mg/kg (Rabbit)

LC50 Inhalation (Dust): > 2 mg/L

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:

| Chemical Name | ACGIH | IARC | NTP | OSHA Carcinogen |
|------------------------------|--------------|--------------------------------------|---------------------------|----------------------------|
| Titanium dioxide | | 2B - Possible Human Carcinogen | | Listed |
| Carbon black | | 2B - Possible Human Carcinogen | | Listed |
| Kaolin, calcined | | 2B - Possible Human Carcinogen | | |
| Cobalt bis(2-ethylhexanoate) | | 2B - Possible Human Carcinogen | | |
| Silica, crystalline | A2 | 1 - Human Carcinogen | Known 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."
- Cobalt and cobalt compounds are listed as possible human carcinogens by IARC (2B). However, there is inadequate evidence of the carcinogenicity of cobalt and cobalt compounds in humans.
- 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.

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, provincial, 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

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

In the US this material may be reclassified as a Combustible Liquid and is not regulated in containers of less than 119 gallons (450 liters) via surface transportation (refer to 49CFR173.120(b)(2) for further information).

ICAO / IATA Contact Insl-X for further information.

IMDG / IMO Contact Insl-X 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> |
|------------------------|---------------|-----------------------|
| 1,2,4-Trimethylbenzene | 95-63-6 | 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> |
|------------------------------|---------------|-----------------------|
| Cobalt bis(2-ethylhexanoate) | 136-52-7 | 0.5 |

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> |
|------------------------|----------------------|-------------------|---------------------|------------------|---------------------|
| Stoddard solvent | X | X | X | | X |
| Limestone | X | | X | | X |
| Titanium dioxide | X | X | X | | X |
| Talc | X | X | X | | X |
| Carbon black | X | X | X | | X |
| 1,2,4-Trimethylbenzene | X | X | X | | |
| Silica, amorphous | X | X | X | | |
| Silica, crystalline | 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

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Revision Summary

Not available

Disclaimer

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, provincial, and local laws and regulations.

End of MSDS