



MATERIAL SAFETY DATA SHEET

For Spraylat Liquid Coatings and Associated Liquid Materials

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Chemtrec

I. CHEMICAL PRODUCT IDENTIFICATION

Product Name : **Sureguard D900X170 Dark Gray Low Lead Rollcoat**

Date Printed : 01/02/08

Revision Date : 04/07/05

Revision Number : 7

Supercedes : 11/22/04

II. COMPOSITION/INFORMATION ON INGREDIENTS - (EXPOSURE LIMITS - SEE SECTION VIII)

INGREDIENT NAME	CAS #	%
Calcium carbonate	471-34-1	25.01 - 30.00
n-Butyl acetate	123-86-4	10.01 - 15.00
Barium Sulfate	7727-43-7	5.01 - 10.00
Isobutyl alcohol	78-83-1	5.01 - 10.00
Light Aromatic Solvent Naphtha	64742-95-6	5.01 - 10.00
1,2,4-Trimethylbenzene	95-63-6	1.01 - 5.00
Stoddard solvent	8052-41-3	1.01 - 5.00
Talc	14807-96-6	1.01 - 5.00
Titanium dioxide	13463-67-7	1.01 - 5.00
Lead Cyanamide	20837-86-9	1.01 - 5.00
Zinc oxide	1314-13-2	1.01 - 5.00
Crystalline Silica	14808-60-7	0.10 - 1.00
Carbon black	1333-86-4	0.10 - 1.00

If ingredient percentages do not total 100%, the balance is due to rounding or applies to ingredient(s) deemed nonhazardous under 29 CFR 1910.1200 (Hazard Communication Standard).

III. HAZARDS IDENTIFICATION

	HMIS
HEALTH	2 *
FLAMMABILITY	3
REACTIVITY	0

0 = Least 1 = Slight 2 = Moderate 3 = High 4 = Extreme * = Chronic Health Effects

Routes of Entry:

Inhalation, Eye contact, Skin contact, Ingestion, Absorption.

Medical Conditions Aggravated:

Eye disease, Skin disease including eczema and sensitization, Kidney disease, Lung disease, Digestive tract disease.

Immediate (Acute) Health Effects:**Inhalation:**

Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache. Breathing high concentrations of vapors or mists may cause irritation of the nose and throat and signs of nervous system depression (e.g., headache, drowsiness etc.). Exposure to high levels of airborne or ingested lead may produce symptoms of anemia, insomnia, weakness, constipation, nausea and abdominal pain. Overexposure may cause damage to blood-forming, nervous, reproductive, intestinal and urinary systems. This product may cause metal fume fever with resulting flu-like symptoms. Toxic. Can cause systemic damage, see target organs below. Respiratory failure is possible at high doses.

Skin Contact:

Can cause moderate injury (reddening and swelling). Can be absorbed through the skin to cause kidney and liver damage. Continued or prolonged contact may irritate the skin and cause a skin rash (dermatitis). Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

Eye Contact:

Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible. Contact may cause eye irritation and transient corneal damage.

Skin Absorption:

May cause irritation and minor systemic damage. Can be absorbed through the skin to cause kidney and liver damage.

Ingestion:

Toxic if swallowed. May cause target organ failure and/or death. Can cause abdominal discomfort, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis. Substance is harmful if swallowed. Large exposure may be fatal. Muscular weakness Tremors Loss of appetite. Anemia Insomnia

Target Organ Acute Toxicity:

Eyes, Skin, Respiratory System, Blood, Kidneys, Nervous System, Cardiovascular System, Digestive Tract, Reproductive System, Gingival Tissue, Bone Marrow, Lymphatic System.

Long-Term (Chronic) Health Effects:**Inhalation:**

Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache. Upon prolonged or repeated exposure this product may cause sensitization. Avoid prolonged or repeated exposure. If sensitized, exposure below the TLV or PEL, or at low levels can result in respiratory irritation and shortness of breath. These asthma-type symptoms may develop immediately or be delayed up to several hours. Respiratory tract sensitization, characterized by asthma-like symptoms such as tightness in the chest, difficulty breathing, and wheezing may result from prolonged or repeated inhalation of dust/processing fumes of this product. Pulmonary edema (fluid build-up in the lungs)

Skin Contact:

Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage. Continued or prolonged contact may irritate the skin and cause a skin rash (dermatitis). May cause sensitization. Upon prolonged or repeated contact, may lead to a metallic taste in mouth.

Eye Contact:

Upon prolonged or repeated contact, can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible.

Skin Absorption

Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause minor systemic damage.

Carcinogenicity:

IARC: Yes

NTP: Yes

OSHA: No

Target Organ Chronic Toxicity:

Respiratory System, Nervous System, Eyes, Skin, Blood, Kidneys, Cardiovascular System, Digestive Tract, Reproductive System, Gingival tissue, Lymphatic System.

NOTICE - Reports have associated repeated and prolonged occupational overexposure to solvents with brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

This product contains pigments which may become a dust nuisance when removed by abrasive blasting, sanding or grinding.

IV. FIRST AID**Inhalation:**

Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately.

Eyes:

Immediately flush eyes with plenty of luke warm water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.

Skin Contact:

Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

Ingestion:

Seek medical advice immediately. Provide ingredients information from Section II of this MSDS to the medical care provider. Contact your local Poison Control Center (listed in the telephone book), or dial the local "Emergency" (911) number for additional information. Do not induce vomiting unless instructed to do so by a physician or other competent medical personnel. Never give anything by mouth to an unconscious person.

V. FIRE FIGHTING MEASURES**Flammability Summary:****Flash Point:**

Flammable 27 °C; 81 °F

Autoignition Temperature:

420 °C; 788 °F

Lower Flammable/Explosive Limit, % in air:

0.8

Upper Flammable/Explosive Limit, % in air: 6.0

Fire Hazards:

Flammable Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or crush used containers. Do not expose containers or product to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death. Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back. This product, when dried or cured, may support combustion when subjected to sources of ignition or heat in sufficient amount.

Extinguishing Media:

Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire.

Fire Fighting Instructions:

Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.

Hazardous Combustion Products:

Carbon dioxide, Carbon monoxide, Toxic fumes, Toxic gases.

VI. ACCIDENTAL RELEASE MEASURES**Health Consideration for Spill Response:**

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including: the material spilled, the quantity of the spill, and the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.

Spill Mitigation Procedures:**General Methods:**

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section VIII at a minimum. For liquid spills, dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

Air Release:

Ventilate the area by opening door and/or turning on fans and blowers.

Water Release:

Retain all contaminated water for treatment.

Land Spills:

Avoid runoff into storm sewers and ditches that lead to waterways.

VII. HANDLING AND STORAGE**Handling:**

Harmful or irritating; avoid overexposure to the material. Use only in a well ventilated area. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Minimize dust generation and accumulation. Use spark-proof tools and explosion-proof equipment. Do not get in eyes, on skin and clothing. Avoid breathing material. Ground and bond containers when transferring material. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Guard against dust accumulation of this material. Remove contaminated clothing and wash before reuse.

Storage:

Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed when not in use. Keep away from sources of ignition. Limit quantity of material stored.

VIII. ENGINEERING CONTROLS, PERSONAL PROTECTIVE EQUIPMENT, AND EXPOSURE LIMITS**Engineering Controls:**

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. See table at the end of this Section VIII below for exposure limits. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Engineering controls must be designed to meet any relevant OSHA chemical specific standards in 29 CFR 1910. If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Protective Equipment:**Respiratory Tract:**

If general or local exhaust ventilation is not available or sufficient to reduce exposure to below acceptable levels, then respiratory protection is required to avoid overexposure when handling this product. A supplied air type respiratory will be required.

Eyes:

Wear safety glasses with side shields when handling this product. When the possibility exists for eye contact with splashing or spraying liquid, or airborne material, wear additional eye protection such as chemical splash goggles and/or face shield. Do not wear contact lenses. Have an eye wash station available.

Skin:

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Protective Clothing:

Wear chemically resistant gloves and apron. (Consult your safety equipment supplier).

CHEMICAL NAME	CAS #	ACGIH TLV	OSHA PEL	IDLH
Calcium carbonate	471-34-1	No TLV	No PEL established	Not determined.
n-Butyl acetate	123-86-4	150 ppm TWA 200 ppm STEL	150 ppm TWA; 710 mg/m ³ TWA	1700 ppm IDLH
Barium Sulfate	7727-43-7	10 mg/m ³ TWA	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)	Not determined.
Isobutyl alcohol	78-83-1	50 ppm TWA	100 ppm TWA; 300 mg/m ³ TWA	1600 ppm IDLH
Light Aromatic Solvent Naphtha	64742-95-6	No TLV	No PEL established	Not determined.
1,2,4-Trimethylbenzene	95-63-6	No TLV	No PEL established	Not determined.
Stoddard solvent	8052-41-3	100 ppm TWA	500 ppm TWA; 2900 mg/m ³ TWA	20000 mg/m ³ IDLH
Talc	14807-96-6	2 mg/m ³ TWA (respirable fraction, particulate matter containing no asbestos and <1% crystalline silica)	Not containing asbestos; containing less than 1% quartz: 20 mppcf	1000 mg/m ³ IDLH
Titanium dioxide	13463-67-7	10 mg/m ³ TWA	15 mg/m ³ TWA (total dust)	5000 mg/m ³ IDLH
Lead Cyanamide	20837-86-9	as Pb: 0.05 mg.m ³ TWA	As Pb: 50 ug/m ³ 8hr-TWA	Not determined.

Zinc oxide	1314-13-2	5 mg/m3 TWA (fume); 10 mg/m3 TWA (dust) 10 mg/m3 STEL (fume)	5 mg/m3 TWA (fume); 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)	500 mg/m3 IDLH (fume)
Crystalline Silica	14808-60-7	0.05 mg/m3 TWA (respirable fraction)	(250)/(%SiO2 + 5) mppcf (respirable); (10 mg/m3)/(%SiO2 + 2) (respirable); (30 mg/m3)/(%SiO2 + 2) (Total Dust)	50 mg/m3 IDLH (respirable dust)
Carbon black	1333-86-4	3.5 mg/m3 TWA	3.5 mg/m3 TWA	1750 mg/m3 IDLH

IX. PHYSICAL DATA

Appearance: Grey Liquid.
Color: Grey
pH: N/A
Octanol/Water Coeff: Not Determined.
Solubility in Water: Partial.
Vapor Density: Heavier than air. Vapors that evolve from this product will tend to settle and accumulate near the floor.
Evaporation Rate: Slower than n-Butyl Acetate.
Specific Gravity/Density: 1.451 / 12.11 Lbs./G1.
V.O.C. 3.7 Lbs/G1 less water & exempt solvent; 444 g/l less water & exempt solvent; 3.7 Lbs/G1 as packed

The VOC content is determined by using a percent solids basis, less water and exempt solvents, for adhesives, coatings and inks and the calculations of EPA Reference Method 24 or equivalent ASTM method approved by the executive office.

Initial Boiling Point: 95 °C; 203 °F
Initial Freezing Point: N/A

X. STABILITY AND REACTIVITY

Stability Information: Stable under normal conditions.
Conditions to Avoid: None known unless listed here. Contamination.
Chemical Incompatibility: Strong alkalis, Strong oxidizing agents, Chlorine, Strong acids, Chlorinated compounds.
Hazardous Decomposition Products: Carbon dioxide, Carbon monoxide, Sulfur containing gases, Toxic fumes, Toxic gases.

XI. TOXICOLOGICAL INFORMATION

Chemical Name	LD50/LC50
Carbonic acid, calcium salt (1:1)	Oral LD50 Rat: 6450 mg/kg
Acetic acid, butyl ester	Inhalation LC50 Rat: 2000 ppm/4H; Inhalation LC50 Mouse: 6 gm/m3/2H; Oral LD50 Rat: 10768 mg/kg; Oral LD50 Mouse: 6 gm/kg; Dermal LD50 Rabbit: >17600 mg/kg
Isobutyl alcohol	Oral LD50 Rat: 2460 mg/kg; Dermal LD50 Rabbit: 3400 mg/kg
Solvent naphtha, light aromatic	Oral LD50 Rat: 8400 mg/kg
Benzene, 1,2,4-trimethyl-	Inhalation LC50 Rat: 18 gm/m3/4H; Oral LD50 Rat: 5 gm/kg
Zinc oxide	Inhalation LC50 Mouse: 2500 mg/m3; Oral LD50 Mouse: 7950 mg/kg
Carbon black	Oral LD50 Rat: >15400 mg/kg; Dermal LD50 Rabbit: >3 gm/kg

XII. ECOLOGICAL INFORMATION

Overview: Care should be taken to minimize releases of any industrial chemicals to the environment.

XIII. DISPOSAL CONSIDERATIONS

Waste Description for Unused Product: Spent or discarded material is a hazardous waste.
Disposal Methods: Information in this MSDS is provided only as a guide. Consult with competent authority to determine proper waste disposal procedures. Clean up and dispose of waste and clean-up materials in accordance with all federal, state, and local environmental regulations.
Potential EPA Waste Codes: D001, .

Some Components Possibly Subjected to USEPA Land Disposal Restrictions:

When disposing of unused products or any waste, the preferred options are to send to a licensed reclaimer or to permitted incinerators. There may be some other ingredients subject to LDR categories.
 Isobutyl alcohol 78-83-1

XIV. TRANSPORTATION INFORMATION

Agency Basic Description and Label
 DOT Paint, 3, UN1263, PG III

Hazardous Substance

n-Butyl acetate RQ = 5000 pounds (2270 kg)
 Isobutyl alcohol RQ = 5000 pounds (2270 kg); also listed as 1-Propanol, 2-methyl-

XV. REGULATORY INFORMATION

Regulation

SARA 313 Reportable : 1,2,4-Trimethylbenzene, Lead Compounds (Inorganic), Zinc Compounds

TSCA Inventory : All components of this product are listed in, or exempt from, the TSCA 8(b) Inventory.

M.S.D.S. Reportable HAP(s) : Lead Compounds.

California Proposition 65 : The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986 - Proposition 65: "WARNING: This product contains chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm."

SARA/CERCLA Section 302 :

N/A

XVI. ADDITIONAL INFORMATION

Major References: VENDOR'S MSDS's, PAINT & COATINGS HANDBOOK, EPA'S LIST OF LISTS, AND OTHER PUBLISHED MATERIALS.

IMPORTANT: WHILE THE DESCRIPTIONS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, THEY ARE PROVIDED FOR YOUR GUIDANCE ONLY. MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION OR USE, INCLUDING USE OF THIS MATERIAL IN COMBINATION WITH OTHER MATERIALS OR PROCESSES. YOU THEREFORE SHOULD, AND THIS MATERIAL IS SUPPLIED ON THE CONDITION THAT YOU, PERFORM AN ASSESSMENT TO DETERMINE THE SUITABILITY OF THE MATERIAL PRIOR TO USE, AND YOU ACCEPT RESPONSIBILITY FOR SATISFYING YOURSELF THAT THE MATERIAL IS SUITABLE AND THE COMPLETENESS OF THIS INFORMATION IS SUFFICIENT FOR YOUR USE. ALTHOUGH CERTAIN HAZARDS MAY BE DESCRIBED HEREIN, OTHER HAZARDS MAY ALSO EXIST. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED, DATA, OR INFORMATION SET FORTH. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, OR DATA PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE, AND WE DISCLAIM LIABILITY FOR LOSS OR INJURY ARISING FROM YOUR USE OF THIS MATERIAL, DATA OR INFORMATION. FURTHER, THE DESCRIPTIONS, DATA AND INFORMATION FURNISHED HERE ARE GIVEN GRATIS. NO OBLIGATIONS NOR LIABILITIES FOR THE DESCRIPTION, DATA AND INFORMATION GIVEN ARE ASSUMED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.