

MATERIAL SAFETY DATA SHEET

Cano Semi-gloss Paint

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Cano Semi-gloss Paint
Product Use: Coating.
Manufacturer/Supplier: Cano Coatings Inc.
36 Industry Way SE
Calgary, AB, T3S 0A2
Phone Number: (403) 279-6420
Emergency Phone: (403) 279-6420 Time zone: Mountain Time US/Canada
Hours of operation: 8AM to 4PM
Date of Preparation: June 6, 2012

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION

MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION.

Potential Health Effects: See Section 11 for more information.

Likely Routes of Exposure: Skin contact, eye contact, inhalation, and ingestion.

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Inhalation: May cause respiratory tract irritation.

Chronic Effects: Prolonged or repeated contact may dry skin and cause irritation.

Signs and Symptoms: Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Medical Conditions Aggravated By Exposure: Asthma. Allergies.

Target Organs: Skin, eyes, gastrointestinal tract, respiratory system.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential Environmental Effects: Product has not been tested for ecological properties but is not believed to cause any harmful effects. See Section 12 for more information.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	Wt. %
Titanium dioxide	13463-67-7	10 - 30
Silica, amorphous, fumed	7631-86-9	1 - 5
Calcium carbonate	1317-65-3	1 - 5
1,2-Propylene glycol	57-55-6	0.5 - 1.5
Solvent-refined heavy paraffinic petroleum distillate (mildly solvent-refined)	64741-88-4	0.1 - 1
Silica, crystalline, quartz	14808-60-7	< 0.1
Acrylonitrile	107-13-1	< 0.1
1,4-Dioxane	123-91-1	< 0.1
Ethylene oxide	75-21-8	< 0.1

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Propylene oxide	75-56-9	< 0.1
Acetaldehyde	75-07-0	< 0.1
Toluene	108-88-3	< 0.1

Section 4: FIRST AID MEASURES

- Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.
- Skin Contact:** In case of contact, immediately flush skin with plenty of water. Call a physician if irritation develops and persists.
- Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
- Ingestion:** If swallowed, seek medical attention or call poison control.
- General Advice:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).
- Note to Physicians:** Symptoms may not appear immediately.

Section 5: FIRE FIGHTING MEASURES

- Flammability:** Not flammable by WHMIS/OSHA criteria.
- Means of Extinction:**
- Suitable Extinguishing Media:** Powder, water spray, foam, carbon dioxide.
 - Unsuitable Extinguishing Media:** Not available.
- Products of Combustion:** Oxides of carbon.
- Explosion Data:**
- Sensitivity to Mechanical Impact:** Not available.
 - Sensitivity to Static Discharge:** Not available.
- Protection of Firefighters:** Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
- Environmental Precautions:** Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.
- Methods for Containment:** Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
- Methods for Clean-Up:** Scoop up material and place in a disposal container. Spills of this material are a slipping hazard.
- Other Information:** Not available.

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Section 7: HANDLING AND STORAGE

Handling:

Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking.

Storage:

Keep out of the reach of children. Keep container tightly closed. Unused chemicals should not be returned to the container.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Ingredient	Exposure Limits	
	OSHA-PEL	ACGIH-TLV
Titanium dioxide	15 mg/m ³ (total dust)	10 mg/m ³
Silica, amorphous, fumed	80 mg/m ³ / %SiO ₂	10 mg/m ³
Calcium carbonate	15 mg/m ³ (total); 5 mg/m ³ (resp)	10 mg/m ³
1,2-Propylene glycol	Not available.	Not available.
Solvent-refined heavy paraffinic petroleum distillate (mildly solvent-refined)	5 mg/m ³ (mist)	5 mg/m ³ (mist)
	((10 mg/m ³)/(%SiO ₂ +2) TWA (resp))	
	((30 mg/m ³)/(%SiO ₂ +2) TWA (total))	
Silica, crystalline, quartz	((250)/(%SiO ₂ +5) mppcf TWA (resp))	0.025 mg/m ³
Acrylonitrile	2 ppm C 10 ppm [15-minute] [skin]	2 ppm
1,4-Dioxane	100 ppm	20 ppm
Ethylene oxide	1 ppm	1 ppm
Propylene oxide	100 ppm	2 ppm
Acetaldehyde	200 ppm	Not available.
Toluene	200 ppm	20 ppm

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal Protective Equipment:

Eye/Face Protection: Wear eye/face protection.

Hand Protection: Wear suitable gloves.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Not available.

Colour: Not available.

Odour: Not available.

Odour Threshold: Not available.

Physical State: Liquid.

pH: Not available.

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Viscosity:	Not available.
Freezing Point:	Not available.
Boiling Point:	Not available.
Flash Point:	Not available.
Evaporation Rate:	Not available.
Lower Flammability Limit:	Not available.
Upper Flammability Limit:	Not available.
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Specific Gravity:	Not available.
Solubility in Water:	Not available.
Coefficient of Water/Oil Distribution:	Not available.
Auto-ignition Temperature:	Not available.
Percent Volatile, wt. %:	Not available.
VOC content, wt. %:	Not available.

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions.

Conditions of Reactivity: Heat. Incompatible materials.

Incompatible Materials: None known.

Hazardous Decomposition Products: Oxides of carbon.

Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.

Section 11: TOXICOLOGY INFORMATION

EFFECTS OF ACUTE EXPOSURE

Component Analysis

Ingredient	LD₅₀ (oral)	LC₅₀
Titanium dioxide	> 10000 mg/kg, rat	Not available.
Silica, amorphous, fumed	> 5000 mg/kg rat	>2.2 mg/L 1hr, rat
Calcium carbonate	6450 mg/kg, rat	Not available.
1,2-Propylene glycol	20000 mg/kg, rat	Not available.
Solvent-refined heavy paraffinic petroleum distillate (mildly solvent-refined)	> 5000 mg/kg, rat	2.18 mg/L 4hr, rat
Silica, crystalline, quartz	500 mg/kg, rat	Not available.
Acrylonitrile	78 mg/kg, rat	333 ppm 4hr, rat
1,4-Dioxane	4200 mg/kg, rat	48.5 mg/L 4hr, rat
Ethylene oxide	72 mg/kg, rat	Not available. 1740 ppm 4hr, mouse
Propylene oxide	380 mg/kg, rat	4000 ppm 4hr, rat
Acetaldehyde	1930 mg/kg, rat	Not available. 12.5 mg/L 4hr, rat;
Toluene	636 mg/kg, rat	26700 ppm 1hr, rat

Eye: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

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- Skin:** May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
- Ingestion:** May be harmful if swallowed. May cause stomach distress, nausea or vomiting.
- Inhalation:** May cause respiratory tract irritation.

EFFECTS OF CHRONIC EXPOSURE

- Target Organs:** Not available.
- Chronic Effects:** Not hazardous by WHMIS/OSHA criteria.
- Carcinogenicity:** Hazardous by WHMIS/OSHA criteria.

Ingredient	Chemical Listed as Carcinogen or Potential Carcinogen *
Titanium dioxide	I-2B; G-A4
Silica, amorphous, fumed	I-3
Calcium carbonate	Not listed.
1,2-Propylene glycol	Not listed.
Solvent-refined heavy paraffinic petroleum distillate (mildly solvent-refined)	Not listed.
Silica, crystalline, quartz	G-A2, I-1, N-1, CP65
Acrylonitrile	O, G-A3, I-2B, N-2, CP65
1,4-Dioxane	G-A3, I-2B, N-2, CP65
Ethylene oxide	O, G-A2, I-1, N-1, CP65
Propylene oxide	G-A3, I-2B, N-2, CP65
Acetaldehyde	G-A3, I-1, I-2B, N-2, CP65
Toluene	G-A4, I-3, CP65

* See Section 15 for more information.

- Mutagenicity:** Not hazardous by WHMIS/OSHA criteria.
- Reproductive Effects:** Not hazardous by WHMIS/OSHA criteria.
- Developmental Effects:**
- Teratogenicity:** Not hazardous by WHMIS/OSHA criteria.
 - Embryotoxicity:** Not hazardous by WHMIS/OSHA criteria.
- Respiratory Sensitization:** Not hazardous by WHMIS/OSHA criteria.
- Skin Sensitization:** Not hazardous by WHMIS/OSHA criteria.
- Toxicologically Synergistic Materials:** Not available.

Section 12: ECOLOGICAL INFORMATION

- Ecotoxicity:** Product has not been tested for ecological properties but is not believed to cause any harmful effects.
- Persistence / Degradability:** Not available.
- Bioaccumulation / Accumulation:** Not available.
- Mobility in Environment:** Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions:

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

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Section 14: TRANSPORTATION INFORMATION

DOT Classification

Not regulated

TDG Classification

Not regulated

Section 15: REGULATORY INFORMATION

Federal Regulations

Canadian: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

US: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200).

SARA Title III

Ingredient	Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA RQ (lbs.)	Section 313
Titanium dioxide	Not listed.	Not listed.	Not listed.	Not listed.
Silica, amorphous, fumed	Not listed.	Not listed.	Not listed.	Not listed.
Calcium carbonate	Not listed.	Not listed.	Not listed.	Not listed.
1,2-Propylene glycol	Not listed.	Not listed.	Not listed.	Not listed.
Solvent-refined heavy paraffinic petroleum distillate (mildly solvent-refined)	Not listed.	Not listed.	Not listed.	Not listed.
Silica, crystalline, quartz	Not listed.	Not listed.	Not listed.	Not listed.
Acrylonitrile	10,000	100	100	313
1,4-Dioxane	Not listed.	Not listed.	100	313
Ethylene oxide	1,000	10	10	313
Propylene oxide	10,000	100	100	313
Acetaldehyde	Not listed.	Not listed.	1,000	313
Toluene	Not listed.	Not listed.	1,000	313

State Regulations

California Proposition 65:

This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Global Inventories

Ingredient	Canada DSL/NDSL	USA TSCA
Titanium dioxide	DSL	Yes.
Silica, amorphous, fumed	DSL	Yes.
Calcium carbonate	NDSL	Yes.
1,2-Propylene glycol	DSL	Yes.
Solvent-refined heavy paraffinic petroleum distillate (mildly solvent-refined)	DSL	Yes.
Silica, crystalline, quartz	DSL	Yes.
Acrylonitrile	DSL	Yes.
1,4-Dioxane	DSL	Yes.
Ethylene oxide	DSL	Yes.
Propylene oxide	DSL	Yes.
Acetaldehyde	DSL	Yes.
Toluene	DSL	Yes.

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HMIS - Hazardous Materials Identification System

Health - 1*

Flammability - 0

Physical Hazard - 0

PPE – B

NFPA - National Fire Protection Association:

Health - 1

Fire - 0

Reactivity - 0

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

WHMIS Classification(s):

Class D2A - Carcinogenicity

WHMIS Hazard Symbols:



SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

OSHA (O) Occupational Safety and Health Administration.

ACGIH (G) American Conference of Governmental Industrial Hygienists.

A1 - Confirmed human carcinogen.

A2 - Suspected human carcinogen.

A3 - Animal carcinogen.

A4 - Not classifiable as a human carcinogen.

A5 - Not suspected as a human carcinogen.

IARC (I) International Agency for Research on Cancer.

1 - The agent (mixture) is carcinogenic to humans.

2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.

2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.

3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.

4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

NTP (N) National Toxicology Program.

1 - Known to be carcinogens.

2 - Reasonably anticipated to be carcinogens.

Section 16: OTHER INFORMATION

Disclaimer:

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

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