

Manufactured by:
TENNANT
 701 North Lilac Drive
 P.O. Box 1452
 Minneapolis, MN 55440-1452

MATERIAL SAFETY DATA SHEET

Canada Gray 100 Colorant



EMERGENCY PHONE NUMBERS:

CHEMTREC: (800) 424-9300 (24 hrs)
 CANADA: CANUTEC (613) 996-6666 (24 hrs)

District of Columbia: (202) 483-7616 (24 hrs)
 MSDS Requests: (800) 553-8033

PREPARATION INFO:

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This Material Safety Data Sheet (MSDS) has been prepared in compliance with the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200. The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein.

Issue Date:	May 26, 2009	HAZARD RATING	NFPA	HMS	NFPA	HMS	4 = Extreme	3 = High	0 = Insignificant	
Supersedes:	June 1, 2006	Health	2	2	Reactivity	0	0	2 = Moderate	1 = Slight	COR = Corrosive
Printed:	5/26/2009	Fire	2	2	Special	0	X			X = Ask supervisor for guidance.

***** I. IDENTIFICATION *****

PRODUCT NAME: Canada Gray 100 Colorant
PART NUMBER: 9002627
CHEMICAL FAMILY: Pigment Additive
MATERIAL USE: Color Additive for Tennant Eco-HPS 100 & Eco-HTS 100 Coatings

US DEPT OF TRANSPORTATION (GROUND):
UN#: None Allocated **PACKAGING GROUP:** Not Applicable
HAZARD CLASSIFICATION: Non Regulated
SHIPPING NAME: Not Applicable

***** II. PHYSICAL DATA *****

BOILING POINT:	Not Available	/	Not Available	FREEZE POINT:	Not Available	/	Not Available
DENSITY:	1.8 kg/L			% VOLATILE:	1 by wt		
SOLUBILITY IN WATER:	Not Soluble			VAPOR PRESSURE:	Not Available		mm Hg at 20 °C.
ODOR THRESHOLD:	Not Available			pH:	Not Applicable		
PHYSICAL FORM:	Liquid			VAPOR DENSITY:	Heavier		THAN AIR
APPEARANCE AND ODOR:	Gray/Ester-like			COEFFICIENT WATER/OIL DISTRIBUTION:	Not Available		
EVAPORATION RATE:	Slower		THAN N-BUTYL ACETATE	VOC g/L (lb/gal):	18 (0.15)		
MECHANICAL IMPACT:	Not Available			STATIC DISCHARGE:	Not Available		

***** III. INGREDIENTS *****

All components are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory. Hazardous ingredients, defined as Controlled Products by Canadian WHMIS, are identified by (HZD) after the chemical ingredient. This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations) and the MSDS contains all of the information required by the CPR.

<u>CHEMICAL</u>	<u>CAS #</u>	<u>% W</u>	<u>OSHA PEL ppm</u>	<u>ACGIH TLV TWA ppm</u>	<u>ACGIH TLV STEL ppm</u>	<u>LD50</u>	<u>LC50 INHALATION</u>
Titanium Dioxide	13463-67-7	50-60	15 mg/m ³ (total dust)	10 mg/m ³	Not Available	>24,000 mg/kg (oral rat) >10,000 mg/m ³ (skin rabbit)	>6.82 mg/L 4hr/(rat)
Formaldehyde, polymer with 1,3-dimethylbenzene	26139-75-3	30-40	Not Available	Not Available	Not Available	Not Available	Not Available
Silicon oxide (synthetic) (HZD)	7631-86-9	1-5	80 mg/m ³	10 mg/m ³	Not Available	10,000 mg/kg (oral rat)	Not Available
Aluminum Hydroxide	21645-51-2	1-5	Not Available	Not Available	Not Available	Not Available	Not Available
Carbon Black (HZD)	1333-86-4	<1	3.5 mg/m ³	3.5 mg/m ³	Not Available	>8000 mg/kg (oral rat)	Not Available
Xylene (mixed)	1330-20-7	<1	100	100	150	4300 mg/kg (oral rat)	5000 ppm/4hr (rat)
M-Xylene (HZD)	108-38-3	<1	435	100, 434 mg/m ³	651 mg/m ³	Not Available	Not Available

*Proprietary - Listed in TSCA C.S. Inventory

SARA Title III Section 313 Information: Components present in this product at a level which could require reporting under this statute are:

M-Xylene (HZD) - CAS #108-38-3 0.17% by wt.
 Xylene - CAS #1330-20-7 0.61% by wt.

California Proposition 65 Information: This product contains the following chemicals designated as cancer and/or reproductive hazards under California Proposition 65.

Silicon oxide (synthetic) (HZD) - CAS #7631-86-9 2.96% by wt
 Carbon Black (HZD) - CAS #1333-86-4 0.29% by wt.

***** IV. FIRE AND EXPLOSIVE HAZARD DATA *****

FLAMMABLE: No **FLASH POINT:** >200°F / >93°C Setflash
FLAMMABLE LIMITS: % LEL: Not Available % UEL: Not Available **AUTOIGNITION TEMPERATURE** Not Available / Not Available
EXTINGUISHING MEDIA: Use water spray, dry chemical, foam or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES:

Keep personnel removed from and upwind of fire. Wear full protective clothing and self-contained breathing apparatus with full face-piece. Combustion products may include hydrocarbons and other toxic fumes.

UNUSUAL FIRE EXPLOSION HAZARD:

None known.

***** V. REACTIVITY DATA *****

STABILITY: Stable **HAZARDOUS POLYMERIZATION (May Occur/Will Not Occur):** Will Not

CONDITIONS TO AVOID: Stable under normal conditions.

INCOMPATIBILITY (materials to avoid): Excessive heat and oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, various hydrocarbons and toxic fumes.

***** VI. HEALTH HAZARD DATA *****

EFFECTS OF OVEREXPOSURE: **THRESHOLD LIMIT VALUE - See Section III for individual ingredients.**

PRIMARY ROUTES OF ENTRY: Inhalation & Skin Contact

SKIN CONTACT/ABSORPTION: Can cause moderate irritation, defatting, cracking and dermatitis. Persons with pre-existing skin disorders may be particularly susceptible.

EYE CONTACT: Contains materials which may cause eye irritation. During application/use of this product, contact lenses should NOT be worn.

INGESTION (Swallowing):

May cause irritation to mucous membranes, nausea, vomiting and CNS depression. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.

INHALATION (Breathing):

Repeated exposures may cause irritation to the upper respiratory tract and liver or kidney effects.

SUPPLEMENTAL HEALTH INFORMATION:

Carbon Black is listed as a carcinogen on the International Agency for Research on Cancer (IARC) list, but not on the National Toxicology Program (NTP) list. All other ingredients are NOT carcinogenic, based on IARC and NTP lists.

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

***** VII. EMERGENCY AND FIRST AID PROCEDURES *****

SKIN CONTACT: Wash thoroughly with soap and water.

EYE CONTACT: Flush immediately with water for 15 minutes; CALL A PHYSICIAN.

INGESTION (Swallowing): CALL A PHYSICIAN OR POISON CONTROL CENTER. DO NOT attempt to induce vomiting.

INHALATION (Breathing): Remove to fresh air. Restore breathing if required. If breathing difficulty persists or occurs later, consult a physician.

***** VIII. PREVENTIVE MEASURES *****

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Keep spectators away. Floor may be slippery; use care to avoid falling. Dike and contain the spill with inert material (sand, earth, fuller's earth, etc.) and if appropriate, transfer the liquid and solid diking material to separate containers for recovery or disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Wash clothing before reuse. Keep spill out of all sewers and open bodies of water.

WASTE DISPOSAL METHOD: Dispose of in accordance with federal, state and local regulations.

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION and VENTILATION:

Use with adequate ventilation. Where ventilation is inadequate, wear a chemical respirator approved for organic vapors. Use NIOSH 42 CFR 84 approved respirator.

Provide local exhaust ventilation when appropriate to control employee exposure and to keep vapor concentrations below TLV (see Section III).

PROTECTIVE GLOVES (specify type):

Impervious gloves; i.e., rubber

EYE PROTECTION (specify type)

Chemical splash goggles

SKIN PROTECTION:

Protective clothing, such as uniforms or coveralls and protective gloves. Launder clothing when soiled.

SPECIAL PRECAUTIONS: PRECAUTIONS TO BE TAKEN IN HANDLING OR STORAGE:

Store inside in a cool (below 100°F or 37.5°C), dry place. Store large quantities in buildings designed and protected for storage of NFPA Class II liquids.

OTHER PRECAUTIONS:

Do not take internally. Avoid prolonged contact with skin; contaminated clothing should be removed immediately. Avoid free fall of liquid in excess of a few inches.