


# SAFETY DATA SHEET




## Section 1. Product and Company Identification

PRODUCT NAME:	NanoDye
PRODUCT USE:	Concrete Colorant
EFFECTIVE DATE:	January 2022
MANUFACTURER INFORMATION:	 Green Umbrella 20 Jetview Drive Rochester, NY 14624 (844) 200-7336
EMERGENCY PHONE NUMBER:	For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC 24 Hours 1-800-424-9300 / +1 703-527-3887      CCN: 871558

## Section 2. Hazard Identification

### Sandstone, Cayenne, Fawn, Butternut & Gator Green Colors:

GHS PICTOGRAMS:	Category 3: Specific Target Organ Acute Toxicity (central nervous system) Category 3: Flammable Liquid Category Category 5: Acute Inhalation Toxicity Category Category 5: Acute Dermal Toxicity Category Category 2A: Eye Irritation Category Category 2: Skin Irritation  
GHS SIGNAL WORD:	WARNING

### POTENTIAL HEALTH EFFECTS

#### CODE OF HAZARD STATEMENTS:

#### Physical Hazards

None

#### Health Hazards

H226 Flammable liquid and vapor.  
 H313 May be harmful in contact with skin.  
 H319 Causes serious eye irritation.  
 H333 May be harmful if inhaled.  
 H336 May cause drowsiness or dizziness.

#### Environmental Hazards

None

**CODE OF PRECAUTIONARY STATEMENTS:**

Prevention Statements

- P233 Keep container tightly closed
- P261 Avoid breathing mist
- P270 Do not eat, drink, or smoke while using this product
- P271 Use only outdoors or in a well-ventilated environment
- P273 Avoid release to the environment
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P284 Upper respiratory protection
- P264 Wash skin thoroughly after handling

Response Statements

- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P302+P352 IF ON SKIN: Wash with plenty of water
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing

**Coal & Meidling  
Blue Colors:**

- Category 3: Specific Target Organ Acute Toxicity (central nervous system)
- Category 3: Flammable Liquid
- Category 5: Acute Inhalation Toxicity
- Category 2A: Eye Irritation
- Category 2B: Skin Irritation

GHS PICTOGRAMS:



GHS SIGNAL WORD:

WARNING

**POTENTIAL HEALTH EFFECTS**

CODE OF HAZARD STATEMENTS:

Physical Hazards

None

Health Hazards

- H226 Flammable liquid and vapor.
- H319 Causes serious eye irritation.
- H333 May be harmful if inhaled.
- H336 May cause drowsiness or dizziness.

Environmental Hazards

None

**CODE OF PRECAUTIONARY STATEMENTS:**

Prevention Statements

- P233 Keep container tightly closed
- P261 Avoid breathing mist
- P270 Do not eat, drink, or smoke while using this product
- P271 Use only outdoors or in a well-ventilated environment
- P273 Avoid release to the environment
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P284 Upper respiratory protection
- P264 Wash skin thoroughly after handling

Response Statements

- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P302+P352 IF ON SKIN: Wash with plenty of water
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing

**Otter & Cocoa Bean Colors:**

- Category 2A: Eye Irritation
- Category 3: Specific Target Organ Acute Toxicity (central nervous system)
- Category 3: Flammable Liquid
- Category 5: Acute Inhalation Toxicity
- Category 5: Acute Dermal Toxicity
- Category 2: Skin Irritation

GHS PICTOGRAMS:



GHS SIGNAL WORD:

WARNING

**POTENTIAL HEALTH EFFECTS**

CODE OF HAZARD STATEMENTS:

Physical Hazards

None

Health Hazards

- H226 Flammable liquid and vapor.
- H319 Causes serious eye irritation.
- H313 May be harmful in contact with skin.
- H333 May be harmful if inhaled.
- H336 May cause drowsiness or dizziness.

Environmental Hazards

None

**CODE OF PRECAUTIONARY STATEMENTS:**

Prevention Statements

- P233 Keep container tightly closed
- P220 Keep/Store away from clothing
- P261 Avoid breathing mist
- P270 Do not eat, drink, or smoke while using this product
- P271 Use only outdoors or in a well-ventilated environment
- P273 Avoid release to the environment
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P284 Upper respiratory protection
- P264 Wash skin thoroughly after handling

Response Statements

- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P302+P352 IF ON SKIN: Wash with plenty of water
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing

**Jenna Blue & Merlot Colors:**

- Category 2A: Eye Irritation
- Category 4: Flammable Liquid
- Category 5: Acute Inhalation Toxicity
- Category 5: Acute Dermal Toxicity
- Category 2: Skin Irritation

**GHS PICTOGRAMS:**



**GHS SIGNAL WORD:**

WARNING

**POTENTIAL HEALTH EFFECTS**

CODE OF HAZARD STATEMENTS:

Physical Hazards

None

Health Hazards

- H227 Combustible liquid
- H319 Causes serious eye irritation
- H313 May be harmful in contact with skin
- H333 May be harmful if inhaled

Environmental Hazards

None

**CODE OF PRECAUTIONARY STATEMENTS:**

Prevention Statements

- P233 Keep container tightly closed
- P220 Keep/Store away from clothing
- P261 Avoid breathing mist
- P270 Do not eat, drink, or smoke while using this product
- P271 Use only outdoors or in a well-ventilated environment
- P273 Avoid release to the environment
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P284 Upper respiratory protection
- P264 Wash skin thoroughly after handling

Response Statements

- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P302+P352 IF ON SKIN: Wash with plenty of water
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing

**New Penny & Terra Bark Colors:**

- Category 3: Specific Target Organ Acute Toxicity (central nervous system)
- Category 4: Flammable Liquid
- Category 5: Acute Inhalation Toxicity
- Category 5: Acute Dermal Toxicity
- Category 2A: Eye Irritation
- Category 2: Skin Irritation

**GHS PICTOGRAMS:**



**GHS SIGNAL WORD:**

WARNING

**POTENTIAL HEALTH EFFECTS**

**CODE OF HAZARD STATEMENTS:**

Physical Hazards

None

Health Hazards

- H227 Combustible liquid
- H313 May be harmful in contact with skin.
- H319 Causes serious eye irritation.
- H333 May be harmful if inhaled.
- H336 May cause drowsiness or dizziness.

Environmental Hazards

None

**CODE OF PRECAUTIONARY STATEMENTS:**

Prevention Statements

- P233 Keep container tightly closed
- P220 Keep/Store away from clothing
- P261 Avoid breathing mist
- P270 Do not eat, drink, or smoke while using this product
- P271 Use only outdoors or in a well-ventilated environment
- P273 Avoid release to the environment
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P284 Upper respiratory protection
- P264 Wash skin thoroughly after handling

Response Statements

- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P302+P352 IF ON SKIN: Wash with plenty of water
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing

**Cardinal Color:**

- Category 1: Eye Damage/Irritation
- Category 4: Flammable Liquid
- Category 5: Acute Oral Toxicity
- Category 5: Acute Dermal Toxicity
- Category 2: Skin Irritation

GHS PICTOGRAMS:



**GHS SIGNAL WORD:**

DANGER

**POTENTIAL HEALTH EFFECTS**

**CODE OF HAZARD STATEMENTS:**

Physical Hazards

None

Health Hazards

- H227 Combustible liquid
- H303 May be harmful if swallowed
- H313 May be harmful in contact with skin
- H318 Causes serious eye damage

Environmental Hazards

None

## Section 2. Hazard Identification (Continued)

### CODE OF PRECAUTIONARY STATEMENTS:

#### Prevention Statements

- P233 Keep container tightly closed
- P220 Keep/Store away from clothing
- P261 Avoid breathing mist
- P270 Do not eat, drink, or smoke while using this product
- P271 Use only outdoors or in a well-ventilated environment
- P273 Avoid release to the environment
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P284 Upper respiratory protection
- P264 Wash skin thoroughly after handling

#### Response Statements

- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P302+P352 IF ON SKIN: Wash with plenty of water
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing

## Section 3. Composition Information on Ingredients

Color	Component	CAS No.	OSHA PEL(TWA)	ACGIH(TLV-TWA)	Weight %
Coal	Glycol Ether PM	107-98-2	Not Established	100 ppm	34.5 – 41.4
	Alcohol Glycol Ether DPM	34590-94-8	Not Established	100 ppm	13.8 – 20.7
	Dye Molecule	Proprietary	0.5 mg/m <sup>3</sup>	Not Established	6.9 – 13.8
	Glycol Ether	Proprietary	50 ppm	20 ppm	25.0 – 31.0
Jenna Blue	Glycol Ether DB	112-34-5	50 ppm	20 ppm	34.5 – 41.4
	Propylene Glycol	57-55-6	Not Established	Not Established	13.8 – 20.7
	Dye Molecule	Proprietary	Not Established	Not Established	6.9 – 20.7
	Glycol Ether	Proprietary	50 ppm	20 ppm	25.0 – 31.0
Meidling Blue	Glycol Ether DB	107-98-2	Not Established	100ppm	41.4 – 48.3
	Propylene Glycol	7732-18-5	Not Established	Not Established	0.0 – 7.0
	Dye Molecule	Proprietary	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	20.7 – 27.6
	Glycol Ether	Proprietary	50 ppm	20 ppm	25.0 – 31.0
Otter	Ethoxy Propanol	1569-02-4	Not Established	Not Established	27.6 – 34.5
	2-Propoxyethanol	2807-30-9	Not Established	Not Established	3.5 – 6.9
	Dihydrogen Oxide	7732-18-5	Not Established	Not Established	0.0 – 23.4
	Glycol Ether DB	112-34-5	50 ppm	20 ppm	3.5 – 6.9
	Glycol Ether DPM	34590-94-8	Not Established	100 ppm	0.7 – 3.5
	Dye Molecule	Proprietary	Not Established	Not Established	10.4 – 26.9
Butternut	Glycol Ether	Proprietary	50 ppm	20 ppm	25.0 – 31.0
	Ethoxy Propanol	1569-02-4	Not Established	Not Established	
	Dye Molecule	Proprietary	15mg/m <sup>3</sup>	10mg/m <sup>3</sup>	

## Section 3. Composition Information on Ingredients

Color	Component	CAS No.	OSHA PEL(TWA)	ACGIH(TLV-TWA)	Weight %	
Cocoa Bean	Ethoxy Propanol	1569-02-4	Not Established	Not Established	34.5 – 41.4	
	Glycol Ether DB	112-34-5	50 ppm	20 ppm	0.7 – 3.5	
	Glycol Ether DPM	34590-94-8	Not Established	100 ppm	0.7 – 3.5	
	Ethyl Lactate	97-64-3	Not Established	Not Established	0.7 – 3.5	
	Dye Molecule	Proprietary	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	25.0 – 30.0	
Glycol Ether	Proprietary	Proprietary	50 ppm	20 ppm	25.0 – 31.0	
Sandstone	Ethoxy Propanol	1569-02-4	Not Established	Not Established	41.4 – 48.3	
	Dye Molecule	Proprietary	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	20.7 – 27.6	
	Glycol Ether	Proprietary	50 ppm	20 ppm	25.0 – 31.0	
Merlot	Glycol Ether DB	112-34-5	50ppm	20ppm	13.8 - 20.7	
	Ethoxy Propanol	1569-02-4	Not Established	Not Established	0.7 - 3.5	
	Glycol Ether PM	107-98-2	Not Established	100ppm	0.7 - 3.5	
	Alcohol	7732-18-5	Not Established	Not Established	0.0 - 10.0	
	Dihydrogen Oxide	Proprietary	0.5mg/m <sup>3</sup>	Not Established	30.0 - 44.0	
	Dye Molecule	Proprietary	Proprietary	Not Established	Not Established	25.0 - 31.0
	Glycol Ether	Proprietary	Proprietary	50ppm	20ppm	
Cardinal	Glycol Ether DB	111-34-5	50 ppm	20 ppm	34.5 – 41.4	
	Ethyl Lactate	97-64-3	Not Established	Not Established	6.9 – 13.8	
	Dye Molecule	Proprietary	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	13.8 – 20.0	
	Glycol Ether	Proprietary	50 ppm	20 ppm	25.0 – 31.0	
Cayenne	Ethoxy Propanol	1569-02-4	Not Established	Not Established	27.6 – 34.5	
	Dihydrogen Oxide	7732-18-5	Not Established	Not Established	13.8 – 31.1	
	Dye Molecule	Proprietary	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	10.4 – 20.7	
	Glycol Ether	Proprietary	50 ppm	20 ppm	25.0 – 31.0	
Fawn	Ethoxy Propanol	1569-02-4	Not Established	Not Established	27.6 – 34.5	
	Dihydrogen Oxide	7732-18-5	Not Established	Not Established	13.8 – 31.1	
	Dye Molecule	Proprietary	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	10.4 – 20.7	
	Glycol Ether	Proprietary	50 ppm	20 ppm	25.0 – 31.0	
New Penny	Ethoxy Propanol	1569-02-4	Not Established	Not Established	20.7 – 27.6	
	Dihydrogen Oxide	7732-18-5	Not Established	Not Established	13.8 – 20.7	
	Dye Molecule	Proprietary	Not Established	Not Established	20.7 – 34.5	
	Glycol Ether	Proprietary	50 ppm	20 ppm	25.0 – 31.0	
Gator Green	Ethoxy Propanol	1569-02-4	Not Established	Not Established	34.5 – 41.4	
	Glycol Ether PM	107-98-2	Not Established	100 ppm	3.5 – 6.9	
	Alcohol	112-34-5	50 ppm	20 ppm	0.7 – 3.5	
	Glycol Ether DB	Proprietary	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	17.3 – 30.4	
	Dye Molecule	Proprietary	Proprietary	Not Established	Not Established	25.0 – 31.0
	Glycol Ether	Proprietary	Proprietary	50 ppm	20 ppm	
Terra Bark	Ethoxy Propanol	1569-02-4	Not Established	Not Established	41.4 – 48.3	
	Glycol Ether DPM	34590-94-8	Not Established	Not Established	0.7 – 3.5	
	Dye Molecule	Proprietary	Not Established	Not Established	17.3 – 26.9	
	Glycol Ether	Proprietary	50 ppm	20 ppm	25.0 – 31.0	



## Section 4. First Aid Measures

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SKIN:	Remove contaminated clothing and wash the affected area with soap and water. Call a physician if skin irritation persists.
EYES:	Immediately flush with plenty of water. After initial rinsing, remove contacts (if present) and continue rinsing for 15 more minutes. If symptoms persist, call a physician.
INHALATION:	Remove to fresh air. Administer artificial respiration if necessary. Call a physician if symptoms persist.
INGESTION:	DO NOT induce vomiting. Rinse mouth thoroughly with water. Drink plenty of water dilute the material. Never give anything by mouth to an unconscious person. Consult a physician.

## Section 5. Fire Fighting Measures

EXTINGUISHING MEDIA:	Dry chemical, alcohol-resistant foam, water spray, or CO <sub>2</sub>
FLAMMABILITY LIMITS (% VOLUME IN AIR FOR SOLVENTS):	LEL: Not Determined UEL: Not Determined Special
SPECIAL FIRE FIGHTING PROCEDURES:	Keep material and container away from sources of ignition. Use SCBA when fighting fire.

## Section 6. Accidental Release Measures

SMALL SPILLS:	Spills may be absorbed using inert materials and shoveled into properly labeled containers. Take precautionary measures against static discharge. Prevent runoff from entering surface waters. Notify proper authorities if runoff should occur.
LARGE SPILL CONTAINMENT:	For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.
CLEANUP:	Spills may be absorbed using inert materials and shoveled into properly-labeled containers. Take precautionary measures against static discharge. Prevent runoff from entering surface waters. Notify proper authorities if runoff should occur.
DISPOSAL REGULATOR REQUIREMENTS:	Follow applicable Federal, state, and local regulations.
CONTAINER CLEANING & DISPOSAL:	Containers must not be washed out or used for other purposes. Do not weld or flame cut empty containers.
WASTE CODES:	Coal, Butternut, Cayenne & Fawn colors carry D001 & D007 codes. Meidling Blue, Otter, Cocoa Bean, Sandstone, Gator Green, Jenna Blue, & Terra Bark colors carry D001 code. Merlot, Cardinal, & New Penny colors carry D007 code.

## Section 7. Handling and Storage

NORMAL HANDLING:	Keep away from heat or ignition sources. Use only in well ventilated areas. Never pierce, saw, cut, grind, or weld empty containers.
STORAGE:	Store material in its original container. Keep containers tightly closed when not in use.
WASTE DISPOSAL METHOD:	Dispose of material in accordance with federal, state, and local guidelines.
SPECIAL PRECAUTIONS:	Avoid breathing mist. Avoid freezing.

## Section 8. Exposure Control/Personal Protection

RESPIRATORY PROTECTION:	Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an OSHA/NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contaminations, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA.
VENTILATION:	Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.
PROTECTIVE CLOTHING/ EQUIPMENT:	Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact
EYE PROTECTION:	Wear protective eyeglasses or chemical safety goggles, per OSHA eye and face protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.
SAFETY STATIONS:	Make emergency eyewash stations, safety/quick drench showers, and washing facilities available in work area.
CONTAMINATED EQUIPMENT:	Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment. Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

## Section 9. Physical and Chemical Properties

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Appearance:	Colored liquid	Melting Point:	Not determined
Odor:	Glycol Ether	Freezing Point:	<32° F
Threshold:	No data available	Boiling Point:	215° F (102 °C)
pH:	6 - 10		
Flash Point:	Coal	110° F	Meidling Blue
	Merlot	150° F	Sandstone
	Fawn	135° F	Cardinal
	Terra Bark	150° F	Gator Green
	Jenna Blue	150° F	Otter
	Cocoa Bean	126° F	Butternut
	New Penny	150° F	Cayenne
Evaporation Rate:	Not determined	Water Solubility:	100%
Flammability (solid, gas):	Combustible liquid	Partition Coefficient:	No data available
Upper/lower Flammability:	N/A	Auto-Ignition Temperature:	N/A
Vapor Pressure:	Not determined	Decomposition Temperature:	Not determined
Vapor Density:	Not determined	Viscosity:	Not determined
Relative Density:	1.01-1.11	Specific Gravity (H2O=1, at 4 °C):	1.01-1.11

## Section 10. Stability and Reactivity

REACTIVITY:	Stable under normal conditions.
CONDITIONS TO AVOID:	Heat, open flame, reactive metals, and strong oxidizers.
INCOMPATIBILITY (MATERIALS TO AVOID):	None known.
HAZARDOUS DECOMPOSITION (BYPRODUCTS):	May emit toxic fumes under fire conditions.
HAZARDOUS POLYMERIZATION:	Will not occur

## Section 11. Toxicological Information

**ROUTES OF EXPOSURE:**

Inhalation, ingestion, eyes, and skin.

**ACUTE TOXICITY ESTIMATES (ATE):**

**Coal:**

LC50 (inhl) 25.3 mg/m<sup>3</sup>  
 LD50 (oral) 6250 mg/kg  
 LD50 (skin) 5128 mg/kg

**New Penny:**

LC50 (inhl) 28.0 mg/m<sup>3</sup>  
 LD50 (oral) 5780 mg/kg  
 LD50 (skin) 4717 mg/kg

**Jenna Blue:**

LC50 (inhl) 26.8 mg/m<sup>3</sup>  
 LD50 (oral) 5181 mg/kg  
 LD50 (skin) 3247 mg/kg

**Cardinal:**

LC50 (inhl) No Data Avail  
 LD50 (oral) 8197 mg/kg  
 LD50 (skin) 2994 mg/kg

**Meidling Blue:**

LC50 (inhl) 26.8 mg/m<sup>3</sup>  
 LD50 (oral) 6289 mg/kg  
 LD50 (skin) 5236 mg/kg

**Fawn:**

LC50 (inhl) 28.0 mg/m<sup>3</sup>  
 LD50 (oral) 5714 mg/kg  
 LD50 (skin) 4695 mg/kg

**Otter:**

LC50 (inhl) 29.7 mg/m<sup>3</sup>  
 LD50 (oral) 5102 mg/kg  
 LD50 (skin) 3509 mg/kg

**Gator Green:**

LC50 (inhl) 30.2 mg/m<sup>3</sup>  
 LD50 (oral) 5882 mg/kg  
 LD50 (skin) 4717 mg/kg

**Merlot:**

LC50 (inhl) 39.4 mg/m<sup>3</sup>  
 LD50 (oral) 4950 mg/kg  
 LD50 (skin) 3289 mg/kg

**Cocoa Bean:**

LC50 (inhl) 28.5 mg/m<sup>3</sup>  
 LD50 (oral) 5376 mg/kg  
 LD50 (skin) 4464 mg/kg

**Cayenne:**

LC50 (inhl) 28.8 mg/m<sup>3</sup>  
 LD50 (oral) 6024 mg/kg  
 LD50 (skin) 4808 mg/kg

**Sandstone:**

LC50 (inhl) 28.1 mg/m<sup>3</sup>  
 LD50 (oral) 5747 mg/kg  
 LD50 (skin) 4717 mg/kg

**Butternut:**

LC50 (inhl) 27.7 mg/m<sup>3</sup>  
 LD50 (oral) 5587 mg/kg  
 LD50 (skin) 4651 mg/kg

**Terra Bark:**

LC50 (inhl) 28.0 mg/m<sup>3</sup>  
 LD50 (oral) 5650 mg/kg  
 LD50 (skin) 4673 mg/kg

**SKIN CONTACT:**

May cause skin irritation. Prolonged or repeated exposure can defeat the skin.

**EYE CONTACT:**

Category 2 Eye Irritants will cause serious eye irritation. Category 1 Eye Irritants will cause serious eye damage.

**INHALATION:**

May depress the central nervous system, causing dizziness and/or drowsiness.

**INGESTION:**

May cause irritation of the skin inside the mouth, nausea, or stomach cramps/-discomfort.

**CARCINOGEN:**

Coal, Butternut, Cayenne, Fawn and New Penny colors contain trivalent chromium compounds in solution. Trivalent chromium is IARC Group 3 – which is not classifiable as to its carcinogenicity to humans.

**AGGRAVATION OF PRE-EXISTING CONDITIONS:**

Inhalation of fumes may aggravate existing lung problems.

## Section 12. Ecological Information

AQUATIC TOXICITY  
(CALCULATED):

Coal:  
LC50 (fish) 44.8 mg/L  
LC50 (inv.) 2941 mg/L  
EC50 (plants) No Data Available

Jenna Blue  
LC50 (fish) 1923 mg/L  
LC50 (inv.) 3734 mg/L  
EC50 (plants) 149.6 mg/L

Cardinal:  
LC50 (fish) 1350 mg/L  
LC50 (inv.) 2262 mg/L  
EC50 (plants) No Data Available

Meidling Blue:  
LC50 (fish) 29.9 mg/L  
LC50 (inv.) 4348 mg/L  
EC50 (plants) No Data Available

Cayenne:  
LC50 (fish) 3584 mg/L  
LC50 (inv.) No Data Available  
EC50 (plants) No Data Available

Otter:  
LC50 (fish) 2857 mg/L  
LC50 (inv.) No Data Available  
EC50 (plants) No Data Available

Fawn:  
LC50 (fish) 3584 mg/L  
LC50 (inv.) No Data Available  
EC50 (plants) No Data Available

Cocoa Bean:  
LC50 (fish) 3205 mg/L  
LC50 (inv.) No Data Available  
EC50 (plants) No Data Available

New Penny:  
LC50 (fish) 3584 mg/L  
LC50 (inv.) 1786 mg/L  
EC50 (plants) No Data Available

Sandstone  
LC50 (fish) 3584 mg/L  
LC50 (inv.) No Data Available  
EC50 (plants) No Data Available

Gator Green:  
LC50 (fish) 211.4 mg/L  
LC50 (inv.) 3322 mg/L  
EC50 (plants) No Data Available

Butternut:  
LC50 (fish) 3584 mg/L  
LC50 (inv.) 1786 mg/L  
EC50 (plants) No Data Available

Terra Bark:  
LC50 (fish) 3584 mg/L  
LC50 (inv.) No Data Available  
EC50 (plants) No Data Available

Merlot:  
LC50 (fish) 211.4 mg/L  
LC50 (inv.) 3322 mg/L  
EC50 (plants) No Data Available

PERSISTENCE & DEGRADABILITY:

No data available

BIOACCUMULATION POTENTIAL:

Potential for bioaccumulation of metals

MOBILITY IN THE SOIL:

Highly mobile in wet soil

OTHER ADVERSE EFFECTS:

None

## Section 15. Regulatory Information

RCRA HAZARDOUS WASTE NUMBER (40 CFR 261.33): | Possibly D002 or D007

Color	SARA 313	SARA311/312
Coal:	Yes (CAS 34590-94-8, Proprietary Glycol Ether)	Yes (Acute, Fire)
Jenna Blue	Yes (CAS 112-34-5, Proprietary Glycol Ether)	Yes (Acute, Fire)
Meidling Blue:	Yes (Proprietary Glycol Ether)	Yes (Acute, Fire)
Otter:	Yes (CAS 1569-02-4, 2807-30-9, 112-34-5, 34590-94-8, Proprietary Glycol Ether)	Yes (Acute, Fire)
Cocoa Bean:	Yes (CAS 1569-02-4, 112-34-5, 34590-94-8, Proprietary Glycol Ether)	Yes (Acute, Fire)
Sandstone:	Yes (CAS 1569-02-4, Proprietary Glycol Ether)	Yes (Acute, Fire)
Butternut:	Yes (CAS 1569-02-4, Proprietary Glycol Ether)	Yes (Acute, Fire)
Merlot:	Yes (CAS 112-34-5, 1569-02-4, Proprietary Glycol Ether)	Yes (Acute, Fire)
Cardinal:	Yes (CAS 111-34-5, Proprietary Glycol Ether)	Yes (Acute, Fire)
Cayenne:	Yes (CAS 1569-02-4, Proprietary Glycol Ether)	Yes (Acute, Fire)
Fawn:	Yes (CAS 1569-02-4, Proprietary Glycol Ether)	Yes (Acute, Fire)
New Penny:	Yes (CAS 34590-94-8, 1569-02-4, Proprietary Glycol Ether)	Yes (Acute, Fire)
Gator Green:	Yes (CAS 1569-02-4, 112-34-5, Proprietary Glycol Ether)	Yes (Acute, Fire)
Terra Bark:	Yes (CAS 1569-02-4, 34590-94-8, Proprietary Glycol Ether)	Yes (Acute, Fire)

### STATE REGULATIONS:

COMPONENT	CAS	MASSACHUSETTS	NEW JERSEY	PENNSYLVANIA	ILLINOIS
Glycol Ether PM Alcohol	107-98-2	YES	YES	YES	NO
Glycol Ether DPM	34590-94-8	YES	YES	YES	YES
Dye Molecule	Proprietary	NO	YES	YES	YES
Glycol Ether	Proprietary	YES	YES	YES	YES
Glycol Ether DB	112-34-5	NO	YES	YES	YES
Propylene Glycol	57-55-6	NO	YES	YES	NO
2-Propoxyethanol	2807-30-9	NO	YES	YES	YES
Ethyl Lactate	97-64-3	YES	YES	YES	NO

CALIFORNIA PROP. 65:

None of these products contain chemical(s) known to the state of California to cause cancer and/or birth defects.

**DISCLAIMER:**

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