



## Safety Data Sheet

### Section 1 - Chemical Product and Company Information

Product Name: Ornamental Art Forrest Green Paint Product Code: OAO-0235

Trade Name: Forrest Green Paint

Manufactured by:  
Smith Paint Products  
2200 Paxton Street  
Harrisburg, PA 17111  
(800) 466-8781

Chemtrec  
2900 Fairview Park Drive  
Falls Church, VA 22042-4513  
(800) 262-8200

Emergency Hot Line:  
(800) 424-9300

Product Use: Paint for cured concrete (refer to application instructions).

Not recommended for: Non-porous substrates (e.g. metal, resins, fiberglass) when submerged in water or exposed to severe weather conditions.

### Section 2 - Hazards Identification

#### GHS Ratings:

Carcinogen 2 Limited evidence of human or animal carcinogenicity

#### GHS Hazards

H351 Suspected of causing cancer

#### GHS Precautions

P201 Obtain special instructions before use  
P202 Do not handle until all safety precautions have been read and understood  
P281 Use personal protective equipment as required  
P308+P313 IF exposed or concerned: Get medical advice/attention  
P405 Store locked up  
P501 Dispose of contents/container to ...

Signal Word: Warning



### Section 3 - Composition/Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
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	Inert	50.00% - 60.00%
Water softened	7732-18-5	30.00% - 40.00%
2,2,4-TRIMETHYL 1,3- PENTENDIOL MONOISOBUTYRATE	25265-77-4	1.00% - 5.00%
2,2,4-TRIMETHYL 1,3-PENTENDIOL DIISPBURYRATE	6846-50-0	1.00% - 5.00%
CARBON BLACK	1333-86-4	0.10% - 1.00%

## Section 4 - First Aid Measures

**INHALATION** - If product solids are inhaled either as dust or in the form of a spray mist, remove the person from exposure immediately. If breathing is difficult, irregular, or has stopped, start resuscitation; call a physician. Administer oxygen if a qualified operator is available.

**EYE CONTACT** - In case of eye contact, flush the eyes with water for fifteen (15) minutes. If contact lenses are worn, quickly remove them, then flush the eyes with water. Have a physician examine the eyes.

**SKIN CONTACT** - In case of skin contact, remove contaminated clothing. Flush the skin with large amounts of water, then wash the skin with soap and water. Call a POISON CENTER or doctor/physican if you feel unwell.

**INGESTION** - If material is ingested, seek immediate medical attention. Rinse mouth thoroughly. Do not induce vomiting.

**Notes to Physician:** Symptoms may be delayed.

## Section 5 - Fire Fighting Measures

Flash Point: > 100 C (>212 F)

LEL:

UEL:

**Flammable Limits:**

**EXTINGUISHING MEDIA:** Use carbon dioxide (CO<sub>2</sub>), "alcohol" foam, dry chemical, or water spray/water fog extinguishing systems.

**UNUSUAL FIRE OR EXPLOSION HAZARDS:** The product vapor is heavier than air and may travel a considerable distance to a source of ignition and flashback.

**HAZARDOUS COMBUSTION PRODUCTS:** See section 10 for a list of hazardous decomposition products for this mixture.

**FIRE FIGHTING:** If evacuation of personnel is necessary, evacuate to an upwind area. Decontaminate personnel and equipment with a water wash-down after fire and smoke exposure.

**FIRE FIGHTING EQUIPMENT:** Firemen and emergency responders: wear full turnout gear or Level A equipment, including positive-pressure, self-contained breathing apparatus (SCBA).

## Section 6 - Accidental Release Measures

**SPILL AND LEAK PROCEDURES:** Spill supervisor - Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Remove all ignition sources. Keep nonessential personnel away from the contaminated area.

**SMALL SPILLS:** Ventilate the contaminated area. Using nonsparking tools, mix the appropriate sorbent into the spilled material. Use an absorbent like sawdust for aqueous, waterborne, and solvent-borne coatings.

Collect the saturated sorbent and transfer it into a covered container. Steel containers are acceptable for all wastes except wastes which contain acid. Use suitable plastic containers for acid-bearing wastes.

Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

**LARGE SPILLS:** Prevent this material from entering sewers and watercourses by diking or impounding the spilled material. Advise authorities if the product has entered or may enter, sewers, watercourses, or extensive land areas.

Ventilate the contaminated area. Using nonsparking tools, mix the appropriate sorbent into the spilled material. Use an absorbent like sawdust for aqueous, waterborne, and solvent-borne coatings.

Collect the saturated sorbent and transfer it into a covered container. Steel containers are acceptable for all wastes except wastes which contain acid. Use suitable plastic containers for acid-bearing wastes.

Label the waste container. Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

## Section 7 - Handling and Storage

**HANDLING PRECAUTIONS:** Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times as vapors can accumulate in confined or poorly ventilated areas. Use the product in a manner which minimizes splashes and/or the creation of dust. Keep containers closed when not in use. Do not handle or store material near heat, sparks, open flames, or other sources of ignition. Store at room temperatures, i.e., 40 to 95 F (4 to 35 C).

**STORAGE:** Prevent from freezing. Do not store above 120 F (49 C).

Store only in original containers.

## Section 8 - Exposure Controls / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Inert	Not Established	Not Established	Not Established
Water softened 7732-18-5	No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.	No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.	Not Established
2,2,4-TRIMETHYL 1,3-PENTENDIOL MONOISOBUTYRATE 25265-77-4	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.	Not Established
2,2,4-TRIMETHYL 1,3-PENTENDIOL DIISOBUTYRATE 6846-50-0	No component of this product presents at levels greater than 0.1% is identified as a carcinogen or potential carcinogen by OSHA.	No component of this product presents at levels greater than 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.	Not Established
CARBON BLACK 1333-86-4	3.5 mg/m <sup>3</sup> TWA	3 mg/m <sup>3</sup> TWA (inhalable fraction)	Not Established

## Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstance:

<p><b>Appearance:</b> Liquid</p> <p><b>Vapor Pressure:</b> Not Applicable</p> <p><b>Vapor Density:</b> 2.0</p> <p><b>Specific Density:</b> 1.02</p> <p><b>Freezing point:</b> 0°C</p> <p><b>Boiling Point:</b> 100°C</p> <p><b>Evaporation rate:</b> Not Determined</p> <p><b>Explosive Limits:</b> Not Determined</p> <p><b>Autoignition temperature:</b> Not Determined</p> <p><b>Viscosity:</b> 1100 - 1300 cPs</p>	<p><b>Odor:</b> Slight Amine</p> <p><b>Odor threshold:</b> Not Determined</p> <p><b>pH:</b> 9.5 - 10.0</p> <p><b>Melting point:</b> Not Determined</p> <p><b>Solubility:</b> Not Determined</p> <p><b>Flash point:</b> &gt;212°F or &gt;100°C</p> <p><b>Flammability:</b> Not Applicable</p> <p><b>Partition coefficient (n-octanol/water):</b> Not Determined</p> <p><b>Decomposition temperature:</b> Not Determined</p> <p><b>Grams VOC less water:</b> 39.12</p>
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## Section 10 - Stability and Reactivity

**Stability:**

STABLE

**Incompatibilities/Conditions to avoid:** Elevated temperatures. Contact with oxidizing agent/oxidizers.

**Hazardous Decomposition:** Can produce Carbon Monoxide and/or Carbon Dioxide.

Hazardous polymerization will not occur.

## Section 11 - Toxicological Information

**Mixture Toxicity**

Inhalation Toxicity LC50: 111mg/L

**Component Toxicity**

25265-77-4      2,2,4-TRIMETHYL 1,3- PENTENDIOL MONOISOBUTYRATE  
 Inhalation LC50: 4 mg/L (Rat)

6846-50-0      2,2,4-TRIMETHYL 1,3-PENTENDIOL DIISPBURYRATE  
 Oral LD50: 2,000 mg/kg (Rat) Dermal LD50: 2,000 mg/kg (Guinea Pig) Inhalation LC50: 0 mg/L (Rat)

**Primary routes of entry:** Inhalation, Skin contact.

**Carcinogenicity:** The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
1333-86-4	CARBON BLACK	.1 to 1.0%	CARBON BLACK :

## Section 12 - Ecological Information

**Component Ecotoxicity**

Water softened

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

2,2,4-TRIMETHYL 1,3-  
 PENTENDIOL  
 MONOISOBUTYRATE

Toxicity  
 Acute Toxicity  
 Fish  
 Product:            No data available.

Specified substance(s)  
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate : 33 mg/l LC-50 (Flathead Minnow, 96h)

Aquatic invertebrates  
Product No data available.

Specified substance(s)  
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate 147.8 mg/l EC-50 (Water Flea, 48h):

#### Chronic Toxicity

Fish  
Product: No data available.

Specified substance(s)  
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate No data available

Aquatic invertebrates  
Product No data available

Specified substance(s)  
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate No data available

Mobility in soil: Log Koc - log koc: 1.5 - 2.8

Results of PBT and vPvB assessment: No data available.

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate (persistent/bioaccumulative/toxic) criteria Not fulfilling PBT

Other adverse effects: No data available

2,2,4-TRIMETHYL 1,3-  
PENTENDIOL DIISPBURYRATE

#### Toxicity

##### Acute Toxicity

Fish  
Product: NOEC: (Fish, 96h):>=6mg/l (limit of solubility in fresh water)

Aquatic Invertebrates  
Product: NOEC: (daphnid, 48h):>=1.46 mg/l (limit of solubility in fresh water)

##### Chronic Toxicity

Fish  
Product: No data available

Specified substance(s)  
Aquatic invertebrates  
Product: EC-50 (daphnid, 21 d):>1.3 mg/l (limit of solubility in fresh water)  
NOEC: (daphnid, 21 d): 0.7 mg/l

Toxicity to Aquatic Plants  
Product: EC-50 (Alga, 72 h):> 7.49 mg/l (limit of solubility in fresh water)

##### Persistence and degradability

Biodegradation

Product: 70.73% (28 d, Ready Biodegradability: CO2 Evolution Test)  
Readily biodegradable, failing 10-d window

Biological Oxygen Demand:

Product: BOD-5 and BOD-20 were not determined because the aqueous solubility of the test article was below that which is required for these tests.

Chemical Oxygen Demand:

Product: No data available

BOD/COD ratio

Product: No data available

Specified substance(s)

Bioaccumulative potential

Product: Fish, Bioconcentration factor (BCF): 1.95 (Measured)  
Fish, Bioconcentration factor (BCF): 183 - 194 (Measured)

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

Results of PBT and vPvB criteria assessment: Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria

Other adverse effects: No data available.

CARBON BLACK

Toxicity

EC50 Daphnia 1 5600 mg/l (Exposure time: 24 h - Species: Daphnia magna)

**Section 13 - Disposal Considerations**

Dispose in accordance with all applicable regulations.

**Section 14 - Transport Information**

This material is classified for transport as follows:

As cited in the IATA Dangerous Goods Handbook:

Section 3.3.1.3: Liquids described in Section 3.3.1.2 with a flash point exceeding 35°C which do not sustain combustion need not be considered as flammable liquids for the purpose of these Regulations

(b) their fire point according to ISO 2592:1973 is greater than 100°C

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Water Based Paint	Unregulated		Non Hazardous
IATA	Water Based Paint	Unregulated		Non Hazardous
ADR/RID	Water Based Paint	Unregulated		Non Hazardous
IMDG	Water Based Paint	Unregulated		Non Hazardous

## Section 15 - Regulatory Information

**State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):** WARNING!  
This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

1333-86-4 CARBON BLACK      Carcinogen

### R2K List

1333-86-4 CARBON BLACK

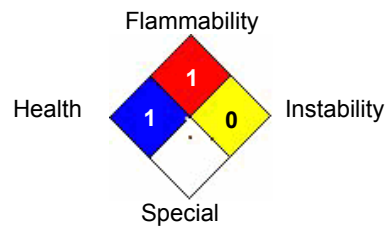
## Section 16 - Other Information

### Hazardous Material Information System (HMIS)

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	H

**HMIS & NFPA Hazard Rating Legend**  
\* = Chronic Health Hazard  
0 = INSIGNIFICANT  
1 = SLIGHT  
2 = MODERATE  
3 = HIGH

### National Fire Protection Association (NFPA)



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