



Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product ID: DP29
Product Name: *DO* GREEN PEARL DP-29
Product Use: None specified.
Print date: 23/May/2014
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Company Identification

The Valspar Corporation
PO Box 1461
Minneapolis, MN 55440

Manufacturer's Phone: 1-612-851-7000

24-Hour Medical Emergency Phone: 1-888-345-5732

2. HAZARDS IDENTIFICATION

Primary Routes of Exposure:

Inhalation
Ingestion
Skin absorption

Eye Contact:

- May cause eye irritation.

Skin Contact:

None known.

Ingestion:

None known.

Inhalation:

- May cause irritation of respiratory tract.

This product contains ingredients that may contribute to the following potential chronic health effects:

- Prolonged breathing of mica dust may produce pneumoconiosis.

3. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

Ingredient Name CAS-No.	Approx. Weight %	Chemical Name
TITANIUM DIOXIDE 1317-80-2	45 - 50	Titanium dioxide
PROPRIETARY INERT	40 - 45	PROPRIETARY INERT
C.I. PIGMENT GREEN 17 1308-38-9	5 - 10	Chromium oxide (Cr ₂ O ₃)
CHROMIUM HYDROXIDE 1308-14-1	1 - 5	Chromium hydroxide (Cr(OH) ₃)

If this section is blank there are no hazardous components per OSHA guidelines.

4. FIRST AID MEASURES

Eye Contact:

Get medical attention, if symptoms develop or persist. Immediately flush eye(s) with plenty of water.

Skin Contact:

Wash off with plenty of water.

Ingestion:

Get medical attention if symptoms occur

Inhalation:

Move to fresh air. Get medical attention, if symptoms develop or persist.

Medical conditions aggravated by exposure:

Any respiratory or skin condition.

5. FIRE FIGHTING MEASURES

Flash point (Fahrenheit):	401
Flash point (Celsius):	205
Lower explosive limit (%):	not determined
Upper explosive limit (%):	not determined
Autoignition temperature:	not determined
Sensitivity to impact:	no
Sensitivity to static discharge:	Sensitivity to static discharge is not expected.
Hazardous combustion products:	See Section 10.

Unusual fire and explosion hazards:

None known.

Extinguishing media:

Carbon dioxide, dry chemical, foam and/or water fog.

Fire fighting procedures:

Firefighters should be equipped with self-contained breathing apparatus and turn out gear. Keep containers and surroundings cool with water spray.

6. ACCIDENTAL RELEASE MEASURES

Action to be taken if material is released or spilled:

Avoid contact with eyes.

7. HANDLING AND STORAGE

Precautions to be taken in handling and storage:

Keep container closed when not in use.

8. PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE CONTROLS

Personal Protective Equipment

Eye and face protection:

Wear safety glasses or goggles to protect against exposure.

Skin protection:

Appropriate chemical resistant gloves should be worn.

Respiratory protection:

If exposure cannot be controlled below applicable limits, use the appropriate NIOSH approved respirator such as an air purifying respirator with organic vapor cartridge and dust/mist filter. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. Read and follow all respirator manufacturer's instructions.

Ventilation

Use only in well-ventilated areas. Ensure adequate ventilation, especially in confined areas.

Exposure Guidelines

OSHA Permissible Exposure Limits (PEL's)

Ingredient Name CAS-No.	Approx. Weight %	TWA (final)	Ceilings limits (final)	Skin designations
TITANIUM DIOXIDE 1317-80-2	45 - 50	15 mg/m ³ TWA dust total		
PROPRIETARY INERT	40 - 45	20 mppcf (<1% crystalline silica)		
C.I. PIGMENT GREEN 17 1308-38-9	5 - 10	0.5 mg/m ³ TWA Cr		
CHROMIUM HYDROXIDE 1308-14-1	1 - 5	0.5 mg/m ³ TWA Cr		

ACGIH Threshold Limit Value (TLV's)

Ingredient Name CAS-No.	Approx. Weight %	TWA	STEL	Ceiling limits	Skin designations
PROPRIETARY INERT	40 - 45	3 mg/m ³ TWA respirable fraction			
C.I. PIGMENT GREEN 17 1308-38-9	5 - 10	0.5 mg/m ³ TWA Cr			
CHROMIUM HYDROXIDE 1308-14-1	1 - 5	0.5 mg/m ³ TWA Cr			

9. PHYSICAL PROPERTIES

Odor:	Normal for this product type.
Physical State:	powder
pH:	not determined
Vapor pressure:	not determined mmHg @ 68°F (20°C)
Vapor density (air = 1.0):	4.0
Boiling point:	4532°F (2500°C)
Solubility in water:	Negligible (less than 0.1%)
Coefficient of water/oil distribution:	not determined
Density (lbs per US gallon):	26.61
Specific Gravity:	3.194
Evaporation rate (butyl acetate = 1.0):	not determined
Flash point (Fahrenheit):	401
Flash point (Celsius):	205
Lower explosive limit (%):	not determined
Upper explosive limit (%):	not determined
Autoignition temperature:	not determined

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	None known.
Incompatibility:	Strong oxidizing agents Acids or alkalies.
Hazardous Polymerization:	None anticipated.
Hazardous Decomposition Products:	Silicon dioxide. Carbon monoxide and carbon dioxide. Metal oxide fumes.

Sensitivity to static discharge: Sensitivity to static discharge is not expected.

11. TOXICOLOGICAL INFORMATION

Ingredient Name CAS-No.	Approx. Weight %	NIOSH - Selected LD50s and LC50s
TITANIUM DIOXIDE 1317-80-2	45 - 50	> 10000 mg/kg Oral LD50 Rat
CHROMIUM HYDROXIDE 1308-14-1	1 - 5	> 5000 mg/kg Oral LD50 Rat

Mutagens/Teratogens/Carcinogens:

Chromium oxide (iii): NIOSH (1981-82): Carcinogenic determination, animal indefinite. (IARC 23, 205, 80) OSHA safety & health guide (1984): Animal suspect (IARC '73) IARC (23, 205, 80): "Experiments in rats... To investigate the carcinogenicity of... Chronic (iii) oxide... Were inadequate to evaluate the carcinogenicity..." Contains TIO2 which is listed by IARC as a possible human carcinogen (Group 2B) based on animal data. Neither long term animal studies, nor human epidemiology studies of workers exposed to TIO2 provide an adequate basis to conclude TIO2 is carcinogenic. TIO2 is not classified as a carcinogen by NTP, U.S. OSHA, or the U.S. EPA.

Ingredient Name CAS-No.	Approx. Weight %	IARC Group 1 - Human Evidence	IARC Group 2A - Limited Human Data	IARC Group 2B - Sufficient Animal Data
TITANIUM DIOXIDE 1317-80-2	45 - 50			Monograph 47 [1989]

Ingredient Name CAS-No.	Approx. Weight %	OSHA - Hazard Communication Carcinogens	OSHA - Specifically Regulated Carcinogens	ACGIH Carcinogens
TITANIUM DIOXIDE 1317-80-2	45 - 50	Present		

12. ECOLOGICAL DATA

No information on ecology is available.

13. DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION

U.S. Department of Transportation

Proper Shipping Name:

PIGMENT NOT REGULATED

U.S Hazmat and/or International DG shipment exceptions

The supplier may apply one of the following exceptions: Combustible Liquid, Consumer Commodity, Limited Quantity, Viscous Liquid, Does Not Sustain Combustion, or others, as allowed under 49CFR Hazmat Regulations. Please consult 49CFR Subchapter C to ensure that subsequent shipments comply with these exceptions.

Reportable Quantity Description:

International Air Transport Association (IATA):

Proper shipping name:

NOT REGULATED

International Maritime Organization (IMO):

Proper shipping name:

NOT REGULATED

Marine Pollutant

No

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

Ingredient Name CAS-No.	Approx. Weight %	SARA 302	SARA 313	CERCLA RQ in lbs.
C.I. PIGMENT GREEN 17 1308-38-9	5 - 10		YES	
CHROMIUM HYDROXIDE 1308-14-1	1 - 5		YES	

SARA 311/312 Hazard Class:

Acute: yes
 Chronic: yes
 Flammability: no
 Reactivity: no
 Sudden Pressure: no

U.S. STATE REGULATIONS:

Right to Know:

The specific chemical identity of a component may be withheld as a trade secret under 34 Pennsylvania Code, Chapter 317.

Pennsylvania Right To Know:

TITANIUM DIOXIDE	1317-80-2
PROPRIETARY INERT	Trade Secret
C.I. PIGMENT GREEN 17	1308-38-9
CHROMIUM HYDROXIDE	1308-14-1

Rule 66 status of product

Not photochemically reactive.

INTERNATIONAL REGULATIONS - Chemical Inventories

US TSCA Inventory:

All components of this product are in compliance with U.S. TSCA Chemical Substance Inventory Requirements.

Canada Domestic Substances List:

All components of this product are listed on the Domestic Substances List.

16. OTHER INFORMATION

HMIS Codes

Health:	0
Flammability:	0
Reactivity:	0
PPE:	X - See Section 8 for Personal Protective Equipment (PPE).

Abbreviations:

OSHA - Occupational Safety and Health Administration, IARC - International Agency for Research on Cancer, NIOSH - National Institute of Occupational Safety and Health, NTP - National Toxicology Program, ACGIH - American Conference of Governmental Industrial Hygienists, SCAQMD - South Coast Air Quality Management District, TSCA - Toxic Substances Control Act, IATA - International Air Transport Association, IMO - International Maritime Organization, DOT - Department of Transportation, NA - Not applicable, NOT ESTAB - Not established, N.A.V. - Not available, RQ - Reportable quantity, WT - Weight, MG/CU M - Milligrams per cubic meter, G/L - Grams per liter, MM - Millimeters, MPPCF - Millions of particles per cubic foot, PPM - parts per million, PPT - parts per thousand, TCC/PM - Tag closed cup / Pensky-Martens, PB - Lead, PEL - Permissible exposure level, TWA - Time Weighted Average, STEL - Short term exposure limit, C - Celsius, F - Fahrenheit.

Disclaimer:

The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Valspar assumes no obligation or liability for use of this information. UNLESS VALSPAR AGREES OTHERWISE IN WRITING, VALSPAR MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. VALSPAR WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option. This MSDS contains additional information required by the state of Pennsylvania.

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