

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product ID: 355F518
Product Name: FLUROSPAR HARTFORD GREEN
Product Use: Paint product.
Print date: 16/Jun/2010
Revision Date: 16/Jun/2010

Company Identification

The Valspar Corporation
PO Box 1461
Minneapolis, MN 55440

Manufacturer's Phone: 1-612-332-7371

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

2. HAZARDS IDENTIFICATION

Primary Routes of Exposure:

Inhalation
Ingestion
Skin absorption

Eye Contact:

- Moderate eye irritation
- Risk of serious damage to eyes.

Skin Contact:

- Causes skin irritation.
- May cause defatting of the skin.
- Dermatitis
- Can be absorbed through skin.

Ingestion:

- Irritation of the mouth, throat, and stomach.
- Harmful if swallowed.
- Aspiration hazard if swallowed - can enter lungs and cause damage.

Inhalation:

- Causes respiratory tract irritation.
- Harmful by inhalation.
- May cause damage to nasal and respiratory passages.

Target Organ and Other Health Effects:

- Causes headache, drowsiness or other effects to the central nervous system.
- Kidney injury may occur.
- Liver injury may occur.

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

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

Teratogens:

- May cause birth defects.

Carcinogens:

- Possible cancer hazard. Contains material which may cause cancer based on animal data.

3. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

Ingredient Name CAS-No.	Approx. Weight %	Chemical Name
PROPYLENEGLYCOL MONOMETHYL ETHER ACETATE 108-65-6	20 - 25	2-methoxy-1-methylethyl acetate
TOLUENE 108-88-3	5 - 10	Toluene
PLASTICIZER 6846-50-0	5 - 10	2,2,4-Trimethyl-1,3-pentanediol diisobutyrate
C.I. PIGMENT GREEN 17 1308-38-9	5 - 10	Chromium oxide (Cr2O3)
C.I. PIGMENT BLUE 36 68187-11-1	1 - 5	C.I. PIGMENT BLUE 36
C.I. PIGMENT BLACK 28 68186-91-4	1 - 5	C.I. Pigment Black 28
XYLENE 1330-20-7	1 - 5	Xylenes (o-, m-, p- isomers)
AROMATIC NAPHTHA, LIGHT 64742-95-6	1 - 5	Petroleum naphtha, light aromatic
METHYL ETHYL KETONE 78-93-3	1 - 5	Methyl ethyl ketone
ETHYLBENZENE 100-41-4	.1 - 1	Ethyl benzene
TITANIUM DIOXIDE 13463-67-7	.1 - 1	Titanium dioxide

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

4. FIRST AID MEASURES

4. FIRST AID MEASURES

Eye Contact:

Remove any contact lenses and open eyes wide apart. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If medical assistance is not immediately available, flush an additional 15 minutes. Get medical attention immediately.

Skin Contact:

Remove contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention, if symptoms develop or persist.

Ingestion:

Rinse mouth with water. Give one or two glasses of water. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If vomiting occurs, keep head lower than hips to prevent aspiration. Get medical attention immediately.

Inhalation:

Move injured person into fresh air and keep person calm under observation. Get medical attention immediately. For breathing difficulties, oxygen may be necessary. If breathing stops, provide artificial respiration.

Medical conditions aggravated by exposure:

Any respiratory or skin condition.

5. FIRE FIGHTING MEASURES

Flash point (Fahrenheit):	85
Flash point (Celsius):	29
Lower explosive limit (%):	1
Upper explosive limit (%):	13
Autoignition temperature:	not determined
Sensitivity to impact:	no
Sensitivity to static discharge:	Subject to static discharge hazards. Please see bonding and grounding information in Section 7.
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:

Ventilate the area. Avoid breathing dust or vapor. Use self-containing breathing apparatus or airmask for large spills in a confined area. Wipe, scrape or soak up in an inert material and put in a container for disposal. See section 7, "Handling and Storage", for proper container and storage procedures. Remove all sources of ignition. Soak up with inert absorbent material. Use only non-sparking tools. Avoid contact with eyes.

7. HANDLING AND STORAGE

7. HANDLING AND STORAGE

Precautions to be taken in handling and storage:

Keep away from heat, sparks and open flame. - No smoking. Keep container closed when not in use. Do not store above 120 degrees F. (49 degrees C). Based on flash point and vapor pressure, suitable storage should be provided in accordance with OSHA regulation 1910.106, Ontario OH&S regulation 851 section 22. Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture or weld on or near container. All label warnings must be observed until the container has been commercially cleaned or reconditioned. If the product is used near or above the flashpoint, an ignition hazard may be present. Activities, uses, or operations which liberate vapor (such as mixing or free fall of liquids) may also present an ignition hazard. Please ensure containers and other interconnected equipment are properly bonded and grounded at all times.

8. PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE CONTROLS

Personal Protective Equipment

Eye and face protection:

Wear chemical goggles with splash shields or face shield. Contact lenses should not be worn when working with chemicals because contact lenses may contribute to the severity of an eye injury in case of exposure.

Skin protection:

Appropriate chemical resistant gloves should be worn.

Other Personal Protection Data:

To prevent skin contact wear protective clothing covering all exposed areas. Ensure that eyewash stations and safety showers are close to the workstation location.

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. Ovens used for curing should contain a fresh air purge to prevent vapours from accumulating and creating a possible explosive mixture. Where the product is used in a hazardous classified area, use explosion-proof electrical/ventilating/lighting/equipment.

Exposure Guidelines

OSHA Permissible Exposure Limits (PEL's)

Ingredient Name CAS-No.	Approx. Weight %	TWA (final)	Ceilings limits (final)	Skin designations
TOLUENE 108-88-3	5 - 10	200 ppm TWA	= 300 ppm Ceiling	
C.I. PIGMENT GREEN 17 1308-38-9	5 - 10	0.5 mg/m ³ TWA Cr		
C.I. PIGMENT BLUE 36 68187-11-1	1 - 5	0.5 mg/m ³ TWA Cr		
C.I. PIGMENT BLACK 28 68186-91-4	1 - 5	0.5 mg/m ³ TWA Cr		
XYLENE 1330-20-7	1 - 5	100 ppm TWA 435 mg/m ³ TWA		
METHYL ETHYL KETONE 78-93-3	1 - 5	200 ppm TWA 590 mg/m ³ TWA		
ETHYLBENZENE 100-41-4	1 - 1	100 ppm TWA 435 mg/m ³ TWA		
TITANIUM DIOXIDE 13463-67-7	1 - 1	15 mg/m ³ TWA dust total		

ACGIH Threshold Limit Value (TLV's)

Ingredient Name CAS-No.	Approx. Weight %	TWA	STEL	Ceiling limits	Skin designations
TOLUENE 108-88-3	5 - 10	20 ppm TWA			Can be absorbed through the skin.
C.I. PIGMENT GREEN 17 1308-38-9	5 - 10	0.5 mg/m ³ TWA Cr			
C.I. PIGMENT BLUE 36 68187-11-1	1 - 5	0.5 mg/m ³ TWA Cr			
C.I. PIGMENT BLACK 28 68186-91-4	1 - 5	0.5 mg/m ³ TWA Cr			
XYLENE 1330-20-7	1 - 5	100 ppm TWA	150 ppm STEL		
METHYL ETHYL KETONE 78-93-3	1 - 5	200 ppm TWA	300 ppm STEL		
ETHYLBENZENE 100-41-4	1 - 1	100 ppm TWA	125 ppm STEL		
TITANIUM DIOXIDE 13463-67-7	1 - 1	10 mg/m ³ TWA			

9. PHYSICAL PROPERTIES

Odor:	Normal for this product type.
Physical State:	liquid
pH:	not determined
Vapor pressure:	90.2255639 mmHg @ 77°F (25°C)
Vapor density (air = 1.0):	9.9
Boiling point:	not determined
Solubility in water:	not determined
Partition coefficient of water/oil distribution:	not determined
Density (lbs per US gallon):	10.52
Specific Gravity:	1.26
Evaporation rate (butyl acetate = 1.0):	5.7
Flash point (Fahrenheit):	85
Flash point (Celsius):	29
Lower explosive limit (%):	1
Upper explosive limit (%):	13
Autoignition temperature:	not determined

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	Heat.
Incompatibility:	Strong oxidizing agents
Hazardous Polymerization:	None anticipated.
Hazardous Decomposition Products:	Carbon monoxide and carbon dioxide. Halogenated compounds Metal oxide fumes.

Sensitivity to static discharge: Subject to static discharge hazards. Please see bonding and grounding information in Section 7.

11. TOXICOLOGICAL INFORMATION

11. TOXICOLOGICAL INFORMATION

Ingredient Name CAS-No.	Approx. Weight %	NIOSH - Selected LD50s and LC50s
PROPYLENEGLYCOL MONOMETHYL ETHER ACETATE 108-65-6	20 - 25	= 8532 mg/kg Oral LD50 Rat > 5000 mg/kg Dermal LD50 Rabbit
TOLUENE 108-88-3	5 - 10	= 12.5 mg/L Inhalation LC50 Rat 4 h = 12124 mg/kg Dermal LD50 Rat = 636 mg/kg Oral LD50 Rat = 8390 mg/kg Dermal LD50 Rabbit > 26700 ppm Inhalation LC50 Rat 1 h
PLASTICIZER 6846-50-0	5 - 10	> 3200 mg/kg Oral LD50 Rat
XYLENE 1330-20-7	1 - 5	= 4300 mg/kg Oral LD50 Rat = 47635 mg/L Inhalation LC50 Rat 4 h = 5000 ppm Inhalation LC50 Rat 4 h > 1700 mg/kg Dermal LD50 Rabbit
AROMATIC NAPHTHA, LIGHT 64742-95-6	1 - 5	= 3400 ppm Inhalation LC50 Rat 4 h = 8400 mg/kg Oral LD50 Rat > 2000 mg/kg Dermal LD50 Rabbit > 5.2 mg/L Inhalation LC50 Rat 4 h
METHYL ETHYL KETONE 78-93-3	1 - 5	= 2737 mg/kg Oral LD50 Rat = 32 g/m ³ Inhalation LC50 Mouse 4 h = 6480 mg/kg Dermal LD50 Rabbit
ETHYLBENZENE 100-41-4	.1 - 1	= 15354 mg/kg Dermal LD50 Rabbit = 17.2 mg/L Inhalation LC50 Rat 4 h = 3500 mg/kg Oral LD50 Rat
TITANIUM DIOXIDE 13463-67-7	.1 - 1	> 10000 mg/kg Oral LD50 Rat

Mutagens/Teratogens/Carcinogens:

May cause birth defects.

Possible cancer hazard. Contains material which may cause cancer based on animal data.

Contains ethylbenzene, which has been determined by NTP to be an animal carcinogen with no known relevance to humans. IARC has classified ethylbenzene as possibly carcinogenic to humans (2b) on the basis of sufficient evidence of carcinogenicity in laboratory animals but inadequate evidence of cancer in humans. 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. Contains chromates which may cause cancer.

Ingredient Name CAS-No.	Approx. Weight %	California Prop 65 - Developmental Toxicity	California Prop 65 - Reproductive (Male)
TOLUENE 108-88-3	5 - 10	Listed. initial date 1/1/91 - developmental toxicity	

Ingredient Name CAS-No.	Approx. Weight %	California Prop 65 - Reproductive (Female)	California Prop 65 - Carcinogen
ETHYLBENZENE 100-41-4	.1 - 1		Listed. initial date 6/11/04 - carcinogen

Ingredient Name CAS-No.	Approx. Weight %	IARC Group 1 - Human Evidence	IARC Group 2A - Limited Human Data	IARC Group 2B - Sufficient Animal Data
C.I. PIGMENT BLUE 36 68187-11-1	1 - 5			Monograph 52 [1991]
ETHYLBENZENE 100-41-4	.1 - 1			Monograph 77 [2000]
TITANIUM DIOXIDE 13463-67-7	.1 - 1			Monograph 47 [1989]

Ingredient Name CAS-No.	Approx. Weight %	NTP Known Carcinogens	NTP Suspect Carcinogens	NTP Evidence of Carcinogenicity
TOLUENE 108-88-3	5 - 10			male rat-no evidence; female rat-no evidence; male mice-no evidence; female mice-no evidence
XYLENE 1330-20-7	1 - 5			male rat-no evidence; female rat-no evidence; male mice-no evidence; female mice-no evidence
ETHYLBENZENE 100-41-4	.1 - 1			male rat-clear evidence; female rat-some evidence; male mice- some evidence; female mice-some evidence
TITANIUM DIOXIDE 13463-67-7	.1 - 1			male rat-negative; female rat-negative; male mice-negative; female mice-negative

Ingredient Name CAS-No.	Approx. Weight %	OSHA - Hazard Communication Carcinogens	OSHA - Specifically Regulated Carcinogens	ACGIH Carcinogens
C.I. PIGMENT BLUE 36 68187-11-1	1 - 5	Present		
ETHYLBENZENE 100-41-4	.1 - 1	Present		A3 Confirmed Animal Carcinogen with Unknown Relevance to Humans
TITANIUM DIOXIDE 13463-67-7	.1 - 1	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

UN ID Number (msds): UN1263
 Proper Shipping Name: PAINT
 Hazard Class: 3
 Packing Group: III

14. TRANSPORTATION INFORMATION

Hazardous Ingredient (Land) 1 METHYL ETHYL KETONE
 Hazardous Ingredient (Land) 2 TOLUENE

U.S. Highway & Rail Shipments

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):

UN ID Number (msds): UN1263
 Proper Shipping Name: Paint
 Hazard Class: 3
 Packing Group: III
 IATA N.O.S. Technical Name 1 METHYL ETHYL KETONE
 IATA N.O.S. Technical Name 2 TOLUENE

International Maritime Organization (IMO):

IMO UN/ID Number (msds): UN1263
 Proper Shipping Name: PAINT
 Hazard Class: 3
 Packing Group: III
 IMDG N.O.S. Technical Name 1 METHYL ETHYL KETONE
 IMDG N.O.S. Technical Name 2 TOLUENE

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

Ingredient Name CAS-No.	Approx. Weight %	SARA 302	SARA 313	CERCLA RQ in lbs.
TOLUENE 108-88-3	5 - 10		form R reporting required for 1.0% de minimis concentration	1000
C.I. PIGMENT GREEN 17 1308-38-9	5 - 10		YES	
C.I. PIGMENT BLUE 36 68187-11-1	1 - 5		YES	
C.I. PIGMENT BLACK 28 68186-91-4	1 - 5		YES	
XYLENE 1330-20-7	1 - 5		form R reporting required for 1.0% de minimis concentration	100
METHYL ETHYL KETONE 78-93-3	1 - 5			5000
ETHYLBENZENE 100-41-4	1 - 1		form R reporting required for 1.0% de minimis concentration	1000

SARA 311/312 Hazard Class:

Acute: yes
 Chronic: yes
 Flammability: yes
 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:

PROPYLENEGLYCOL MONOMETHYL ETHER ACETATE	108-65-6
TOLUENE	108-88-3
C.I. PIGMENT GREEN 17	1308-38-9
XYLENE	1330-20-7
AROMATIC NAPHTHA, LIGHT	64742-95-6
C.I. PIGMENT BLACK 28	68186-91-4
C.I. PIGMENT BLUE 36	68187-11-1
PLASTICIZER	6846-50-0
METHYL ETHYL KETONE	78-93-3

Additional Non-Hazardous Materials

PROPRIETARY RESIN	Trade Secret
PROPRIETARY RESIN	Trade Secret

California Proposition 65:

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

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:	2*
Flammability:	3
Reactivity:	1
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.

Preparation Information:

Prepared By:	Regulatory Affairs Department
Print date:	16/Jun/2010
Revision Date:	16/Jun/2010