



## Material Safety Data Sheet

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### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identification

**Product ID:** 140.0006241.007  
**Product Name:** BLEACHING OIL VOC  
**Product Use:** Paint product.  
**Print date:** 25/Oct/2014  
**Revision Date:** 25/Oct/2014

#### Company Identification

The Valspar Corporation - Architectural Coatings Division  
1191 Wheeling Road  
Wheeling, IL 60090

**Manufacturer's Phone:** 1-847-520-8580

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

### 2. HAZARDS IDENTIFICATION

#### Primary Routes of Exposure:

Inhalation  
Ingestion  
Skin absorption

#### Eye Contact:

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

#### Skin Contact:

- Causes skin irritation.
- Dermatitis
- May cause defatting of the skin.
- Harmful if absorbed through skin.
- May cause sensitization by skin contact.

#### 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.
- Toxic by inhalation.

**Target Organ and Other Health Effects:**

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

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

- Possible sensitization.
- Prolonged exposure over TLV may produce pneumoconiosis.
- 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.
- Chronic exposure may cause permanent damage of health.
- Prolonged exposure to respirable crystalline quartz silica may cause delayed chronic injury (silicosis).

**Carcinogens:**

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

**3. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS**

Ingredient Name CAS-No.	Approx. Weight %	Chemical Name
PROPRIETARY OIL	45 - 50	PROPRIETARY OIL
MINERAL SPIRITS 64742-47-8	20 - 25	Petroleum distillates, hydrotreated light
PROPRIETARY INERT	10 - 15	PROPRIETARY INERT
PROPRIETARY INERT	1 - 5	PROPRIETARY INERT
ZINC BORATE 1332-07-6	1 - 5	Zinc borate
CHLOROTHALONIL 1897-45-6	.1 - 1	1,3-BENZENEDICARBONITRILE,2,4,5,6-TETRACHLORO-
FOLPET 133-07-3	.1 - 1	Folpet
TITANIUM DIOXIDE 13463-67-7	.1 - 1	Titanium dioxide
ORGANOSULFUR COMPOUND 133-06-2	.1 - 1	Captan
SILICA 14808-60-7	.1 - 1	QUARTZ (SiO <sub>2</sub> )

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

## 4. FIRST AID MEASURES

### Eye Contact:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. 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. For breathing difficulties, oxygen may be necessary. If breathing stops, provide artificial respiration. Get medical attention immediately.

### Medical conditions aggravated by exposure:

Any respiratory or skin condition.

## 5. FIRE FIGHTING MEASURES

Flash point (Fahrenheit):	105
Flash point (Celsius):	41
Lower explosive limit (%):	1
Upper explosive limit (%):	6
Autoignition temperature:	not determined
Sensitivity to impact:	no
Sensitivity to static discharge:	Can be sensitive to static discharge hazards. Please see bonding and grounding information in Section 7.
Hazardous combustion products:	See Section 10.

### Unusual fire and explosion hazards:

Contaminated rags, wipes, saw dust, etc., may catch fire spontaneously. Store waste under water in closed metal containers or in approved self-closing containers designed to prevent spontaneous combustion until disposed of in compliance with applicable regulations. Oxidizing Material

### 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

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### 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:

Wear appropriate, properly fitted respirator (NIOSH approved) during spray application or in other situation where mists may be generated unless air monitoring vapor mist levels are below applicable limits-- where applicable limits have been established. When respirators are used, follow respirator manufacturers directions for use. Have available emergency self-contained breathing apparatus or full-face airline respirator when using this chemical.

#### 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
PROPRIETARY INERT	10 - 15	Respirable. Listed. Total dust. Listed.		
PROPRIETARY INERT	1 - 5	15 mg/m <sup>3</sup> TWA dust total 5 mg/m <sup>3</sup> TWA respirable fraction		
TITANIUM DIOXIDE 13463-67-7	.1 - 1	15 mg/m <sup>3</sup> TWA dust total		
SILICA 14808-60-7	.1 - 1	(30)/( %SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA, total dust (250)/( %SiO <sub>2</sub> + 5) mppcf TWA, respirable fraction (10)/( %SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA, respirable fraction		

#### ACGIH Threshold Limit Value (TLV's)

Ingredient Name CAS-No.	Approx. Weight %	TWA	STEL	Ceiling limits	Skin designations
PROPRIETARY INERT	10 - 15	2 mg/m <sup>3</sup> TWA particulate matter containing no asbestos and <1% crystalline silica, respirable fraction			
PROPRIETARY INERT	1 - 5	2 mg/m <sup>3</sup> TWA particulate matter containing no asbestos and <1% crystalline silica, respirable fraction			
ZINC BORATE 1332-07-6	1 - 5	2 mg/m <sup>3</sup> TWA inhalable fraction	6 mg/m <sup>3</sup> STEL inhalable fraction		
TITANIUM DIOXIDE 13463-67-7	.1 - 1	10 mg/m <sup>3</sup> TWA			
ORGANOSULFUR COMPOUND 133-06-2	.1 - 1	5 mg/m <sup>3</sup> TWA inhalable fraction			
SILICA 14808-60-7	.1 - 1	0.025 mg/m <sup>3</sup> TWA respirable fraction			

## 9. PHYSICAL PROPERTIES

Odor:	Normal for this product type.
Physical State:	liquid
pH:	not determined
Vapor pressure:	.2255639 mmHg @ 68°F (20°C)
Vapor density (air = 1.0):	5.1
Boiling point:	302°F (150°C)
Solubility in water:	not determined
Coefficient of water/oil distribution:	not determined
Density (lbs per US gallon):	9.31
Specific Gravity:	1.12
Evaporation rate (butyl acetate = 1.0):	0.1
Flash point (Fahrenheit):	105
Flash point (Celsius):	41
Lower explosive limit (%):	1
Upper explosive limit (%):	6
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:	Silicon dioxide. Carbon monoxide and carbon dioxide. Metal oxide fumes.

**Sensitivity to static discharge:** Can be sensitive to static discharge hazards. Please see bonding and grounding information in Section 7.

## 11. TOXICOLOGICAL INFORMATION

Ingredient Name CAS-No.	Approx. Weight %	NIOSH - Selected LD50s and LC50s
MINERAL SPIRITS 64742-47-8	20 - 25	> 2000 mg/kg Dermal LD50 Rabbit > 5.2 mg/L Inhalation LC50 Rat 4 h > 5000 mg/kg Oral LD50 Rat
CHLOROTHALONIL 1897-45-6	.1 - 1	= 0.217 mg/L Inhalation LC50 Rat 4 h = 0.31 mg/L Inhalation LC50 Rat 1 h > 2000 mg/kg Dermal LD50 Rabbit > 2500 mg/kg Dermal LD50 Rat = 10 g/kg Oral LD50 Rat
FOLPET 133-07-3	.1 - 1	= 2636 mg/kg Oral LD50 Rat > 0.48 g/m <sup>3</sup> Inhalation LC50 Rat 4 h > 22600 mg/kg Dermal LD50 Rabbit > 5000 mg/kg Dermal LD50 Rat
TITANIUM DIOXIDE 13463-67-7	.1 - 1	> 10000 mg/kg Oral LD50 Rat
ORGANOSULFUR COMPOUND 133-06-2	.1 - 1	= 9 g/kg Oral LD50 Rat > 5 g/kg Dermal LD50 Rat
SILICA 14808-60-7	.1 - 1	= 500 mg/kg Oral LD50 Rat

### Mutagens/Teratogens/Carcinogens:

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

Contains TIO<sub>2</sub> 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 TIO<sub>2</sub> provide an adequate basis to conclude TIO<sub>2</sub> is carcinogenic. TIO<sub>2</sub> is not classified as a carcinogen by NTP, U.S. OSHA, or the U.S. EPA. Contains crystalline silica. The IARC has determined that crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (group 1). Refer to IARC monograph 68 in conjunction with the use of these materials. Risk of cancer depends on the duration and level of exposure. In coatings products, risk is due primarily to inhalation of sanding dusts or respirable particles in spray mists. The NTP has also determined that crystalline silica is a known human carcinogen in the form of fine, breathable particles. Risk of cancer depends on duration and level of exposure in coatings products, risk is due primarily to inhalation of sanding dust or respirable particles in spray mist.

Ingredient Name CAS-No.	Approx. Weight %	California Prop 65 - Reproductive (Female)	California Prop 65 - Carcinogen
CHLOROTHALONIL 1897-45-6	.1 - 1		Listed. initial date 1/1/89 - carcinogen
FOLPET 133-07-3	.1 - 1		Listed. initial date 1/1/89 - carcinogen
ORGANOSULFUR COMPOUND 133-06-2	.1 - 1		Listed. initial date 1/1/90 - carcinogen
SILICA 14808-60-7	.1 - 1		Listed. initial date 10/1/88 - carcinogen

Ingredient Name CAS-No.	Approx. Weight %	IARC Group 1 - Human Evidence	IARC Group 2A - Limited Human Data	IARC Group 2B - Sufficient Animal Data
CHLOROTHALONIL 1897-45-6	.1 - 1			Supplement 7 [1987]
TITANIUM DIOXIDE 13463-67-7	.1 - 1			Monograph 47 [1989]

Ingredient Name CAS-No.	Approx. Weight %	IARC Group 1 - Human Evidence	IARC Group 2A - Limited Human Data	IARC Group 2B - Sufficient Animal Data
SILICA 1808-60-7	.1 - 1	Monograph 68 [1997]		

Ingredient Name CAS-No.	Approx. Weight %	NTP Known Carcinogens	NTP Suspect Carcinogens
SILICA 14808-60-7	.1 - 1	Known Human Carcinogen	

Ingredient Name CAS-No.	Approx. Weight %	OSHA - Hazard Communication Carcinogens	OSHA - Specifically Regulated Carcinogens	ACGIH Carcinogens
CHLOROTHALONIL 1897-45-6	.1 - 1	Present		
TITANIUM DIOXIDE 13463-67-7	.1 - 1	Present		
ORGANOSULFUR COMPOUND 133-06-2	.1 - 1			A3 Confirmed Animal Carcinogen with Unknown Relevance to Humans
SILICA 14808-60-7	.1 - 1	Present		A2 Suspected Human Carcinogen

## 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:	COMBUSTIBLE LIQUID
Packing Group:	III

### 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):

UN/ID No:	UN1263
Proper shipping name:	Paint
Hazard Class:	3
Packing Group:	III

### International Maritime Organization (IMO):

UN/ID No:	UN1263
Proper shipping name:	PAINT
Hazard Class:	3

Packing Group:  
Marine Pollutant  
Marine Pollutant Ingredient 1

III  
YES  
ZINC BORATE

## 15. REGULATORY INFORMATION

### U.S. FEDERAL REGULATIONS:

Ingredient Name CAS-No.	Approx. Weight %	SARA 302	SARA 313	CERCLA RQ in lbs.
ZINC BORATE 1332-07-6	1 - 5		YES	1000
CHLOROTHALONIL 1897-45-6	.1 - 1		Form R reporting required for 0.1 % de minimis concentration	
FOLPET 133-07-3	.1 - 1		form R reporting required for 1.0% de minimis concentration	
ORGANOSULFUR COMPOUND 133-06-2	.1 - 1		form R reporting required for 1.0% de minimis concentration	10

### 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:

MINERAL SPIRITS	64742-47-8
PROPRIETARY INERT	Trade Secret
PROPRIETARY INERT	Trade Secret
ZINC BORATE	1332-07-6
PROPRIETARY OIL	Trade Secret

#### Additional Non-Hazardous Materials

PROPRIETARY INERT Trade Secret

#### California Proposition 65:

WARNING: This product contains chemicals known to the State of California to cause cancer.

#### 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.

## 3. OTHER INFORMATION

### HMIS Codes

Health:	3*
Flammability:	2
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:	25/Oct/2014
Revision Date:	25/Oct/2014