



# Material Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identification

**Product ID:** CEL0001  
**Product Name:** VALGARD 100 BLUE EPOXY CURING AGENT  
**Product Use:** Paint or Coatings Related Product  
**Effective date:** 02/Jun/2013  
**Revision Date:** 02/Jun/2013  
**UN ID Number (msds):** NRPAIN  
**WHMIS Classification:** D2B Toxic Material D2A Very Toxic Material

### Company Identification

Valspar, Inc.  
 1915 Second Street West  
 Cornwall , Ontario K6H 5T1

**Tech Info Phone:** 1-613-932-8960

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

## 2. HAZARDS IDENTIFICATION

### Primary Routes of Exposure:

Inhalation  
 Ingestion  
 Skin absorption

### Eye Contact:

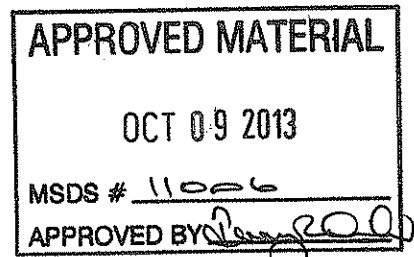
- Causes eye burns.
- Risk of serious damage to eyes.

### Skin Contact:

- Causes skin burns.
- Harmful if absorbed through skin.
- May cause sensitization by skin contact.

### Ingestion:

Product ID: CEL0001



- Causes digestive tract burns.
- Harmful if swallowed.

**Inhalation:**

- Causes respiratory tract irritation.
- Harmful by inhalation.
- May cause sensitization by inhalation.

**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.
- Possible sensitization.
- 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	CAS Number
SILICA 14808-60-7	35 - 40	QUARTZ (SiO2)	14808-60-7
TITANIUM DIOXIDE 13463-67-7	20 - 25	Titanium dioxide	13463-67-7
OIL FATTY ACIDS, TETRAETHYLENEPENTAMI DE 68991-84-4	10 - 15	Fatty acids, vegetable-oil, reaction products with tetraethylenepentamine	68991-84-4
BENZYL ALCOHOL 100-51-6	5 - 10	Benzyl alcohol	100-51-6
TETRAETHYLENE PENTAMINE 112-57-2	1 - 5	Tetraethylenepentamine	112-57-2

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

**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.**

**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. Do not use soap. If skin surface is damaged, apply a clean dressing. Do not apply greases or ointments. If medical assistance is not immediately available, flush an additional 15 minutes. Get medical attention immediately.

**Ingestion:**

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

**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):	201
Flash point (Celsius):	94
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:**

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. Avoid all personal contact.

**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 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:**

Gloves: Neoprene or other nonporous.

**Other Personnel 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. Chemical resistant apron

**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.

**Exposure Guidelines**

**OSHA Permissible Exposure Limits (PEL's)**

Ingredient Name CAS-No.	Approx. Weight %	TWA (final)	Ceilings limits (final)	Skin designations
SILICA 14808-60-7	35 - 40	(30)/(%SiO2 + 2) mg/m <sup>3</sup> TWA, total dust (250)/(%SiO2 + 5) mppcf TWA, respirable fraction (10)/(%SiO2 + 2) mg/m <sup>3</sup> TWA, respirable fraction		
TITANIUM DIOXIDE 13463-67-7	20 - 25	15 mg/m <sup>3</sup> TWA dust total		

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

Ingredient Name CAS-No.	Approx. Weight %	TWA	STEL	Ceiling limits	Skin designations
SILICA 14808-60-7	35 - 40	0.025 mg/m <sup>3</sup> TWA respirable fraction			
TITANIUM DIOXIDE 13463-67-7	20 - 25	10 mg/m <sup>3</sup> TWA			

**9. PHYSICAL PROPERTIES**

Odor:	Normal for this product type.
Physical State:	liquid
pH:	not determined
Vapor pressure:	20 mmHg @ 70°F (21.11°C)
Vapor density (air = 1.0):	3.72
Boiling point:	392°F (200°C)
Solubility in water:	not determined
Coefficient of water/oil distribution:	not determined
Density (lbs per US gallon):	14.27
Specific Gravity:	1.71
Evaporation rate (butyl acetate = 1.0):	not determined
Flash point (Fahrenheit):	201
Flash point (Celsius):	94
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:	Carbon monoxide and carbon dioxide. Metal oxide fumes. Ammonia compounds. Nitrogen compounds.

**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
SILICA 14808-60-7	35 - 40	= 500 mg/kg Oral LD50 Rat
TITANIUM DIOXIDE 13463-67-7	20 - 25	> 10000 mg/kg Oral LD50 Rat
BENZYL ALCOHOL 100-51-6	5 - 10	= 1230 mg/kg Oral LD50 Rat = 2000 mg/kg Dermal LD50 Rabbit = 8.8 mg/L Inhalation LC50 Rat 4 h
TETRAETHYLENE PENTAMINE 112-57-2	1 - 5	= 2100 mg/kg Oral LD50 Rat = 660 mg/kg Dermal LD50 Rabbit

### 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 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 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
SILICA 14808-60-7	35 - 40		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
SILICA 14808-60-7	35 - 40	Monograph 68 [1997]		
TITANIUM DIOXIDE 13463-67-7	20 - 25			Monograph 47 [1989]

Ingredient Name CAS-No.	Approx. Weight %	NTP Known Carcinogens	NTP Suspect Carcinogens
SILICA 14808-60-7	35 - 40	Known Human Carcinogen	

Ingredient Name CAS-No.	Approx. Weight %	OSHA - Hazard Communication Carcinogens	OSHA - Specifically Regulated Carcinogens	ACGIH Carcinogens
SILICA 14808-60-7	35 - 40	Present		A2 Suspected Human Carcinogen
TITANIUM DIOXIDE 13463-67-7	20 - 25	Present		

## 12. ECOLOGICAL DATA

No information on ecology is available.

## 13. DISPOSAL CONSIDERATIONS

Dispose of waste at an approved hazardous waste treatment/disposal facility in accordance with applicable local, provincial and federal regulations.

## 14. TRANSPORTATION INFORMATION

### Canadian Transport of Dangerous Goods

UN ID Number (msds):

NRPAIN

Proper Shipping Name:

PAINT, NOT REGULATED

### TDG Clear Language Exceptions:

For Dangerous Goods, the supplier may apply one of the following exceptions (TDG Reference): Limited quantity/Consumer Commodity (1.17), Does not sustain combustion, etc. (2.18), Viscous liquid (2.19), Flammable liquid General Exemption (1.33) or US DOT Reciprocity (9.1,3 & 4). Please consult current TDG regulations before applying any of these exceptions to subsequent shipments.

### 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

### INTERNATIONAL REGULATIONS - Chemical Inventories

#### Canada Domestic Substances List:

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

#### US TSCA Inventory:

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

#### Canada National Pollutant Release Inventory:

Ingredient Name CAS-No.	Approx. Weight %	NPRI Status
BENZYL ALCOHOL 100-51-6	5 - 10	Part 4 Substance

## 16. OTHER INFORMATION

### HMIS Codes

**Health:** 3\*  
**Flammability:** 1  
**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:

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