



## Material Safety Data Sheet

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### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identification

**Product ID:** LICP201  
**Product Name:** EPOXY PRIMER - WHITE  
**Product Use:** Paint product.  
**Print date:** 16/Nov/2012  
**Revision Date:** 16/Nov/2012

#### 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:

- Moderate eye irritation

#### Skin Contact:

- May cause defatting of the skin.
- Causes skin irritation.
- Dermatitis
- 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.
- Harmful by inhalation.
- May cause bronchopneumonia or bronchitis.

**Target Organ and Other Health Effects:**

- Causes headache, drowsiness or other effects to the central nervous system.
- Liver injury may occur.
- Blood disorders
- Kidney 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.
- Prolonged exposure over TLV may produce pneumoconiosis.
- Possible sensitization.

**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
TITANIUM DIOXIDE 13463-67-7	20 - 25	Titanium dioxide
PROPRIETARY INERT	10 - 15	PROPRIETARY INERT
METHYL ETHYL KETONE 78-93-3	5 - 10	Methyl ethyl ketone
METHYL N-AMYL KETONE 110-43-0	5 - 10	Heptan-2-one
ZINC OXIDE 1314-13-2	5 - 10	ZINC OXIDE
PROPRIETARY RESIN	5 - 10	PROPRIETARY RESIN
BUTYL ACETATE 123-86-4	1 - 5	n-Butyl acetate
AROMATIC NAPHTHA, LIGHT 64742-95-6	1 - 5	Petroleum naphtha, light aromatic
PROPRIETARY INERT	1 - 5	PROPRIETARY INERT
1,2,4-TRIMETHYLBENZENE 95-63-6	1 - 5	1,2,4-Trimethylbenzene

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

**4. FIRST AID MEASURES**

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### Eye Contact:

Get medical attention, if symptoms develop or persist. Immediately flush eye(s) with plenty of water. Remove any contact lenses and open eyes wide apart.

### 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):	42
Flash point (Celsius):	6
Lower explosive limit (%):	1
Upper explosive limit (%):	16
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 all personal contact.

## 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 safety glasses or goggles to protect against exposure.

#### Skin protection:

Gloves: Neoprene or other nonporous.

#### Other Personal Protection Data:

To prevent skin contact wear protective clothing covering all exposed areas. 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. 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
TITANIUM DIOXIDE 13463-67-7	20 - 25	15 mg/m <sup>3</sup> TWA dust total		
PROPRIETARY INERT	10 - 15	5 mg/m <sup>3</sup> Respirable fraction. 15 mg/m <sup>3</sup> Total dust.		
METHYL ETHYL KETONE 78-93-3	5 - 10	200 ppm TWA 590 mg/m <sup>3</sup> TWA		
METHYL N-AMYL KETONE 110-43-0	5 - 10	100 ppm TWA 465 mg/m <sup>3</sup> TWA		
ZINC OXIDE 1314-13-2	5 - 10	15 mg/m <sup>3</sup> TWA dust total 5 mg/m <sup>3</sup> TWA fume 5 mg/m <sup>3</sup> TWA respirable fraction		
BUTYL ACETATE 123-86-4	1 - 5	150 ppm TWA 710 mg/m <sup>3</sup> TWA		

Ingredient Name CAS-No.	Approx. Weight %	TWA (final)	Ceilings limits (final)	Skin designations
PROPRIETARY INERT	1 - 5	5 mg/m <sup>3</sup> Respirable fraction. 15 mg/m <sup>3</sup> Total dust. Respirable fraction. Listed. Total dust. Listed.		

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

Ingredient Name CAS-No.	Approx. Weight %	TWA	STEL	Ceiling limits	Skin designations
TITANIUM DIOXIDE 13463-67-7	20 - 25	10 mg/m <sup>3</sup> TWA			
PROPRIETARY INERT	10 - 15	10 mg/m <sup>3</sup> The value is for particulate matter containing no asbestos and <1% crystalline silica.			
METHYL ETHYL KETONE 78-93-3	5 - 10	200 ppm TWA	300 ppm STEL		
METHYL N-AMYL KETONE 110-43-0	5 - 10	50 ppm TWA			
ZINC OXIDE 1314-13-2	5 - 10	2 mg/m <sup>3</sup> TWA respirable fraction	10 mg/m <sup>3</sup> STEL respirable fraction		
BUTYL ACETATE 123-86-4	1 - 5	150 ppm TWA	200 ppm STEL		
PROPRIETARY INERT	1 - 5	10 mg/m <sup>3</sup>			
1,2,4-TRIMETHYLBENZENE 95-63-6	1 - 5	25 PPM			

## 9. PHYSICAL PROPERTIES

Odor:	Normal for this product type.
Physical State:	liquid
pH:	not determined
Vapor pressure:	75.9398496 mmHg @ 68°F (20°C)
Vapor density (air = 1.0):	4.3
Boiling point:	175.28°F (80°C)
Solubility in water:	not determined
Coefficient of water/oil distribution:	not determined
Density (lbs per US gallon):	13.49
Specific Gravity:	1.62
Evaporation rate (butyl acetate = 1.0):	5.7
Flash point (Fahrenheit):	42
Flash point (Celsius):	6
Lower explosive limit (%):	1
Upper explosive limit (%):	16
Autoignition temperature:	not determined

## 10. STABILITY AND REACTIVITY

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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:**

Subject 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
TITANIUM DIOXIDE 13463-67-7	20 - 25	> 10000 mg/kg Oral LD50 Rat
PROPRIETARY INERT	10 - 15	= 6450 mg/kg Oral LD50 Rat
METHYL ETHYL KETONE 78-93-3	5 - 10	= 2737 mg/kg Oral LD50 Rat = 32 g/m <sup>3</sup> Inhalation LC50 Mouse 4 h = 6480 mg/kg Dermal LD50 Rabbit
METHYL N-AMYL KETONE 110-43-0	5 - 10	= 12600 µL/kg Dermal LD50 Rabbit = 1670 mg/kg Oral LD50 Rat
ZINC OXIDE 1314-13-2	5 - 10	> 5000 mg/kg Oral LD50 Rat
PROPRIETARY RESIN	5 - 10	= 11400 mg/kg Oral LD50 Rat
BUTYL ACETATE 123-86-4	1 - 5	= 10768 mg/kg Oral LD50 Rat = 390 ppm Inhalation LC50 Rat 4 h > 17600 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
PROPRIETARY INERT	1 - 5	> 2.2 mg/L Inhalation LC50 Rat 1 h > 2000 mg/kg Dermal LD50 Rabbit > 5000 mg/kg Oral LD50 Rat
1,2,4-TRIMETHYLBENZENE 95-63-6	1 - 5	= 18 g/m <sup>3</sup> Inhalation LC50 Rat 4 h = 3400 mg/kg Oral LD50 Rat > 3160 mg/kg Dermal LD50 Rabbit

### Mutagens/Teratogens/Carcinogens:

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

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 13463-67-7	20 - 25			Monograph 47 [1989]

Ingredient Name CAS-No.	Approx. Weight %	NTP Known Carcinogens	NTP Suspect Carcinogens	NTP Evidence of Carcinogenicity
TITANIUM DIOXIDE 13463-67-7	20 - 25			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
TITANIUM DIOXIDE 13463-67-7	20 - 25	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: II

### 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 Number (msds): UN1263  
 Proper Shipping Name: Paint  
 Hazard Class: 3  
 Packing Group: II

### International Maritime Organization (IMO):

IMO UN/ID Number (msds): UN1263  
 Proper Shipping Name: PAINT  
 Hazard Class: 3  
 Packing Group: II  
 Marine Pollutant: YES  
 Marine Pollutant Ingredient 1: ZINC OXIDE  
 Marine Pollutant Ingredient 2: EPOXY RESIN

## 15. REGULATORY INFORMATION

### U.S. FEDERAL REGULATIONS:

Ingredient Name CAS-No.	Approx. Weight %	SARA 302	SARA 313	CERCLA RQ in lbs.

## 15. REGULATORY INFORMATION

METHYL ETHYL KETONE 78-93-3	5 - 10			5000
ZINC OXIDE 1314-13-2	5 - 10		YES	
BUTYL ACETATE 123-86-4	1 - 5			5000
1,2,4-TRIMETHYLBENZENE 95-63-6	1 - 5		Listed.	

### 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:

PROPRIETARY INERT	Trade Secret
PROPRIETARY INERT	Trade Secret
BUTYL ACETATE	123-86-4
ZINC OXIDE	1314-13-2
TITANIUM DIOXIDE	13463-67-7
PROPRIETARY RESIN	Trade Secret
METHYL ETHYL KETONE	78-93-3
METHYL N-AMYL KETONE	110-43-0
AROMATIC NAPHTHA, LIGHT	64742-95-6
1,2,4-TRIMETHYLBENZENE	95-63-6

#### Additional Non-Hazardous Materials

PROPRIETARY INERT	Trade Secret
PROPRIETARY INERT	Trade Secret
PROPRIETARY RESIN	Trade Secret

#### Rule 66 status of product

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



## 16. OTHER INFORMATION

**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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