



# Material Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identification

**Product ID:** 89L609B  
**Product Name:** FEDERAL 25095 BLUE EPOXY  
**Product Use:** Paint or Coatings Related Product  
**Effective date:** 18/Oct/2011  
**Revision Date:** 17/Oct/2011  
**UN ID Number (msds):** UN1263  
**WHMIS Classification:** D2A Very Toxic Material B2 Flammable Liquids

### 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:

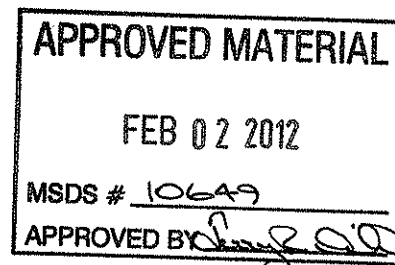
- Moderate eye irritation
- Risk of serious damage to eyes.

### Skin Contact:

- Causes skin irritation.
- Dermatitis
- Harmful if absorbed through skin.
- Can be 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.
- Harmful by inhalation.
- May cause chemical pneumonia.
- May cause sensitization by inhalation.
- May cause damage to nasal and respiratory passages.
- May cause pulmonary edema.

**Target Organ and Other Health Effects:**

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

**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 to respirable crystalline quartz silica may cause delayed chronic injury (silicosis).
- Chronic exposure may cause permanent damage of health.
- Possible sensitization.
- Contains formaldehyde which is considered a potential carcinogen by the Occupational Health and Safety Administration.
- Prolonged exposure over TLV may produce pneumoconiosis.

**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<br>CAS-No.                     | Approx.<br>Weight % | Chemical Name  | CAS Number |
|--|---------------------|--|------------|
| EPOXY RESIN (MOL WT<br>700-1100)<br>25036-25-3 | 25 - 30             | Phenol, 4,4'-(1-methylethylidene)bis-,<br>polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]<br>bis[oxirane] | 25036-25-3 |
| TALC<br>14807-96-6                             | 15 - 20             | Talc (Mg3H2(SiO3)4)  | 14807-96-6 |
| BARIUM SULPHATE<br>7727-43-7                   | 15 - 20             | Barium sulfate   | 7727-43-7  |
| METHYL ETHYL KETONE<br>78-93-3                 | 10 - 15             | Methyl ethyl ketone  | 78-93-3    |
| XYLENE<br>1330-20-7                            | 10 - 15             | Xylenes (o-, m-, p-isomers)  | 1330-20-7  |
| TITANIUM DIOXIDE<br>13463-67-7                 | 1 - 5               | Titanium dioxide   | 13463-67-7 |
| ETHYLBENZENE<br>100-41-4                       | 1 - 5               | Ethyl benzene  | 100-41-4   |
| SILICA<br>14808-60-7                           | .1 - 1              | QUARTZ (SiO2)  | 14808-60-7 |

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:**

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. Place unconscious person on the side in the recovery position and ensure breathing.

**Medical conditions aggravated by exposure:**

Any respiratory or skin condition.

#### 5. FIRE FIGHTING MEASURES

|                                  |   |
|----------------------------------|---|
| Flash point (Fahrenheit):        | 16  |
| Flash point (Celsius):           | -9  |
| 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

### 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:

Gloves: Neoprene or other nonporous.

#### 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. 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<br>CAS-No.     | Approx.<br>Weight % | TWA (final)                                    | Ceilings limits (final) | Skin designations |
|--------------------------------|---------------------|--|-------------------------|-------------------|
| TALC<br>14807-96-6             | 15 - 20             | Respirable. Listed.<br>Total dust. Listed.     |                         |                   |
| BARIUM SULPHATE<br>7727-43-7   | 15 - 20             | 5 mg/m <sup>3</sup> TWA respirable<br>fraction |                         |                   |
| METHYL ETHYL KETONE<br>78-93-3 | 10 - 15             | 200 ppm TWA<br>590 mg/m <sup>3</sup> TWA       |                         |                   |
| XYLENE<br>1330-20-7            | 10 - 15             | 100 ppm TWA<br>435 mg/m <sup>3</sup> TWA       |                         |                   |
| TITANIUM DIOXIDE<br>13463-67-7 | 1 - 5               | 15 mg/m <sup>3</sup> TWA dust<br>total         |                         |                   |
| ETHYLBENZENE<br>100-41-4       | 1 - 5               | 100 ppm TWA<br>435 mg/m <sup>3</sup> TWA       |                         |                   |

| Ingredient Name<br>CAS-No. | Approx.<br>Weight % | TWA (final)  | Ceilings limits (final) | Skin designations |
|----------------------------|---------------------|--|-------------------------|-------------------|
| SILICA<br>14808-60-7       | .1 - 1              | (30)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup><br>TWA, total dust<br>(250)/(%SiO <sub>2</sub> + 5) mppcf<br>TWA, respirable fraction<br>(10)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup><br>TWA, respirable fraction |                         |                   |

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

| Ingredient Name<br>CAS-No.     | Approx.<br>Weight % | TWA  | STEL         | Ceiling limits | Skin designations |
|--------------------------------|---------------------|--|--------------|----------------|-------------------|
| TALC<br>14807-96-6             | 15 - 20             | 2 mg/m <sup>3</sup> TWA<br>respirable fraction,<br>particulate matter<br>containing no<br>asbestos and <1%<br>crystalline silica |              |                |                   |
| BARIUM SULPHATE<br>7727-43-7   | 15 - 20             | 10 mg/m <sup>3</sup> TWA   |              |                |                   |
| METHYL ETHYL KETONE<br>78-93-3 | 10 - 15             | 200 ppm TWA  | 300 ppm STEL |                |                   |
| XYLENE<br>1330-20-7            | 10 - 15             | 100 ppm TWA  | 150 ppm STEL |                |                   |
| TITANIUM DIOXIDE<br>13463-67-7 | 1 - 5               | 10 mg/m <sup>3</sup> TWA   |              |                |                   |
| ETHYLBENZENE<br>100-41-4       | 1 - 5               | 100 ppm TWA  | 125 ppm STEL |                |                   |
| SILICA<br>14808-60-7           | .1 - 1              | 0.025 mg/m <sup>3</sup> TWA<br>respirable fraction   |              |                |                   |

## 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):              | 3.7                           |
| Boiling point:                          | not determined                |
| Solubility in water:                    | not determined                |
| Coefficient of water/oil distribution:  | not determined                |
| Density (lbs per US gallon):            | 3.08                          |
| Specific Gravity:                       | .37                           |
| Evaporation rate (butyl acetate = 1.0): | 5.7                           |
| Flash point (Fahrenheit):               | 16                            |
| Flash point (Celsius):                  | -9                            |
| Lower explosive limit (%):              | 1                             |
| Upper explosive limit (%):              | 16                            |
| Autoignition temperature:               | not determined                |

## 10. STABILITY AND REACTIVITY

|                      |                                 |
|----------------------|---------------------------------|
| Stability:           | Stable under normal conditions. |
| Conditions to Avoid: | Heat.                           |

## 10. STABILITY AND REACTIVITY

Incompatibility:

Hazardous Polymerization:

Hazardous Decomposition Products:

Strong oxidizing agents

None anticipated.

Silicon dioxide. Carbon monoxide and carbon dioxide.

Oxides of sulfur.

Sensitivity to static discharge:

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

## 11. TOXICOLOGICAL INFORMATION

| Ingredient Name<br>CAS-No.     | Approx.<br>Weight % | NIOSH - Selected LD50s and LC50s  |
|--------------------------------|---------------------|---|
| METHYL ETHYL KETONE<br>78-93-3 | 10 - 15             | = 2737 mg/kg Oral LD50 Rat<br>= 32 g/m <sup>3</sup> Inhalation LC50 Mouse 4 h<br>= 6480 mg/kg Dermal LD50 Rabbit                            |
| XYLENE<br>1330-20-7            | 10 - 15             | = 4300 mg/kg Oral LD50 Rat<br>= 47635 mg/L Inhalation LC50 Rat 4 h<br>= 5000 ppm Inhalation LC50 Rat 4 h<br>> 1700 mg/kg Dermal LD50 Rabbit |
| TITANIUM DIOXIDE<br>13463-67-7 | 1 - 5               | > 10000 mg/kg Oral LD50 Rat   |
| ETHYLBENZENE<br>100-41-4       | 1 - 5               | = 15354 mg/kg Dermal LD50 Rabbit<br>= 17.2 mg/L Inhalation LC50 Rat 4 h<br>= 3500 mg/kg Oral LD50 Rat                                       |
| SILICA<br>14808-60-7           | .1 - 1              | = 500 mg/kg Oral LD50 Rat   |

### Mutagens/Teratogens/Carcinogens:

Possible mutagen

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

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. 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<br>CAS-No. | Approx.<br>Weight % | California Prop 65 - Reproductive<br>(Female) | California Prop 65 - Carcinogen              |
|----------------------------|---------------------|---|--|
| ETHYLBENZENE<br>100-41-4   | 1 - 5               |   | Listed. initial date 6/11/04 -<br>carcinogen |
| SILICA<br>14808-60-7       | .1 - 1              |   | Listed. initial date 10/1/88 -<br>carcinogen |

| Ingredient Name<br>CAS-No.     | Approx.<br>Weight % | IARC Group 1 - Human<br>Evidence | IARC Group 2A - Limited<br>Human Data | IARC Group 2B -<br>Sufficient Animal Data |
|--------------------------------|---------------------|----------------------------------|---------------------------------------|---|
| TITANIUM DIOXIDE<br>13463-67-7 | 1 - 5               |                                  |                                       | Monograph 47 [1989]                       |
| ETHYLBENZENE<br>100-41-4       | 1 - 5               |                                  |                                       | Monograph 77 [2000]                       |
| SILICA<br>14808-60-7           | .1 - 1              | Monograph 68 [1997]              |                                       |   |

| Ingredient Name<br>CAS-No.     | Approx.<br>Weight % | NTP Known<br>Carcinogens  | NTP Suspect<br>Carcinogens | NTP Evidence of<br>Carcinogenicity   |
|--------------------------------|---------------------|---------------------------|----------------------------|--|
| TALC<br>14807-96-6             | 15 - 20             |                           |                            | male rat-some evidence;<br>female rat-clear<br>evidence; male mice-no<br>evidence; female mice-<br>no evidence     |
| XYLENE<br>1330-20-7            | 10 - 15             |                           |                            | male rat-no evidence;<br>female rat-no evidence;<br>male mice-no evidence;<br>female mice-no evidence              |
| TITANIUM DIOXIDE<br>13463-67-7 | 1 - 5               |                           |                            | male rat-negative;<br>female rat-negative;<br>male mice-negative;<br>female mice-negative                          |
| ETHYLBENZENE<br>100-41-4       | 1 - 5               |                           |                            | male rat-clear evidence;<br>female rat-some<br>evidence; male mice-<br>some evidence; female<br>mice-some evidence |
| SILICA<br>14808-60-7           | .1 - 1              | Known Human<br>Carcinogen |                            |  |

| Ingredient Name<br>CAS-No.     | Approx.<br>Weight % | OSHA - Hazard<br>Communication<br>Carcinogens | OSHA - Specifically<br>Regulated Carcinogens | ACGIH Carcinogens  |
|--------------------------------|---------------------|---|--|--|
| TITANIUM DIOXIDE<br>13463-67-7 | 1 - 5               | Present                                       |  |  |
| ETHYLBENZENE<br>100-41-4       | 1 - 5               | Present                                       |  | A3 Confirmed Animal<br>Carcinogen with<br>Unknown Relevance to<br>Humans |
| SILICA<br>14808-60-7           | .1 - 1              | Present                                       |  | A2 Suspected Human<br>Carcinogen   |

## 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

## 14. TRANSPORTATION INFORMATION

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

### 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: Paint  
Hazard Class: 3  
UN ID Number (msds): UN1263  
Packing Group: II

### International Maritime Organization (IMO):

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

## 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<br>CAS-No.     | Approx.<br>Weight % | NPRI Status  |
|--------------------------------|---------------------|--|
| METHYL ETHYL KETONE<br>78-93-3 | 10 - 15             | Part 1, Group 1 Substance<br>Part 5 Substance<br>Part 1, Group 1 Substance |
| XYLENE<br>1330-20-7            | 10 - 15             | Part 1, Group 1 Substance<br>Part 5 Substance<br>Part 1, Group 1 Substance |
| ETHYLBENZENE<br>100-41-4       | 1 - 5               | Part 1, Group 1 Substance  |

## 16. OTHER INFORMATION

### HMIS Codes

Health: 2\*  
Flammability: 3  
Reactivity: 1  
PPE: X - See Section 8 for Personal Protective Equipment (PPE).



## 16. OTHER INFORMATION

### 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: 18/Oct/2011  
Revision Date: 17/Oct/2011

### Technical Information:

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Pittsburgh, PA 15233  
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