Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product ID: 007.0020055
Product Name: VAL ULTRA PREM EXT LX SG BASE 4
Product Use: Paint product.
Print date: 15/Oct/2008
Revision Date: 25/Sep/2008

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:
• Moderate eye irritation

Skin Contact:
• Dermatitis

Ingestion:
• Irritation of the mouth, throat, and stomach.
• Toxic if swallowed.

Inhalation:
• Causes respiratory tract irritation.

Target Organ and Other Health Effects:
• Liver injury may occur.
• 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:

- Overexposure may cause nervous system damage.
- Prolonged exposure over TLV may produce pneumoconiosis.

**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

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>Approx. Weight %</th>
<th>Chemical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROPRIETARY INERT</td>
<td>5 - 10</td>
<td>PROPRIETARY INERT</td>
</tr>
<tr>
<td>ETHYLENE GLYCOL 107-21-1</td>
<td>1 - 5</td>
<td>1,2-Ethanediol</td>
</tr>
<tr>
<td>TITANIUM DIOXIDE 13463-67-7</td>
<td>.1 - 1</td>
<td>Titanium dioxide</td>
</tr>
</tbody>
</table>

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

### 4. FIRST AID MEASURES

**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. Get medical attention immediately.

**Inhalation:**
Move injured person into fresh air and keep person calm under observation. Get medical attention, if symptoms develop or persist.

**Medical conditions aggravated by exposure:**
Any respiratory or skin condition.

### 5. FIRE FIGHTING MEASURES

- **Flash point (Fahrenheit):** 205°F (96°C)
- **Lower explosive limit:** 1 %
- **Upper explosive limit:** 15 %
- **Autoignition temperature:** not determined -°F (°C)
- **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. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Avoid contact with eyes.

7. HANDLING AND STORAGE

Precautions to be taken in handling and storage:
This coating contains aluminum pigment, store in a dry area. Aluminum may react with water, acids and caustics slowly producing gas and heat. In a sealed drum this may cause a pressure build-up over a period of time and drum should be vented before opening. Keep container closed when not in use. Do not freeze. Since emptied containers may contain product residue, follow all label warnings, even after container is emptied. Do not cut, drill, grind, or weld on or near this container.

8. PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE CONTROLS

Personal Protective Equipment

Eye and face protection:
Chemical goggles, also wear a face shield if splashing hazard exists.

Skin protection:
Appropriate chemical resistant gloves should be worn.

Other Personnel Protection Data:
To prevent skin contact wear protective clothing covering all exposed areas.

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. Ovens used for curing should contain a fresh air purge to prevent vapours from accumulating and creating a possible explosive mixture. Ensure adequate ventilation, especially in confined areas.

Exposure Guidelines

OSHA Permissible Exposure Limits (PEL's)

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS-No.</th>
<th>Approx. Weight %</th>
<th>TWA (final)</th>
<th>Ceilings limits (final)</th>
<th>Skin designations</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROPRIETARY INERT</td>
<td>5 - 10</td>
<td>5 mg/m³ Respirable fraction.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 mg/m³ Total dust. Respirable fraction.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Listed. Total dust. Listed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TITANIUM DIOXIDE</td>
<td>13463-67-7</td>
<td>.1 - 1</td>
<td>15 mg/m³ Total dust.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Product ID: 007.0020055
### ACGIH Threshold Limit Value (TLV’s)

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS-No.</th>
<th>Approx. Weight %</th>
<th>TWA</th>
<th>STEL</th>
<th>Ceiling limits</th>
<th>Skin designations</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROPRIETARY INERT</td>
<td></td>
<td>5 - 10</td>
<td>2 mg/m³ Respirable fraction. The value is for particulate matter containing no asbestos and &lt;1% crystalline silica.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ETHYLENE GLYCOL</td>
<td>107-21-1</td>
<td>1 - 5</td>
<td>100 mg/m³ Aerosol.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TITANIUM DIOXIDE</td>
<td>13463-67-7</td>
<td>.1 - 1</td>
<td>10 mg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 9. PHYSICAL PROPERTIES

**Odor:** Normal for this product type.
**Physical State:** liquid
**pH:** not determined
**Vapor pressure:** 24 mmHg @ 77°F (25°C)
**Vapor density (air = 1.0):** 7.4
**Boiling point:** not determined
**Solubility in water:** not determined
**Coefficient of water/oil distribution:** not determined
**Density (lbs per US gallon):** 9.62
**Specific Gravity:** 1.15
**Evaporation rate (butyl acetate = 1.0):** 0.1
**Flash point (Fahrenheit):** 205°F (96°C)
**Lower explosive limit:** 1 %
**Upper explosive limit:** 15 %
**Autoignition temperature:** not determined -ºF (ºC)

### 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.
**Conditions to Avoid:** This product may react with water, acids, and caustics, slowly producing gas and heat.
**Incompatibility:** Avoid water-reactive materials, heat or contact with peroxides or other catalysts.
**Hazardous Polymerization:** None anticipated.
**Hazardous Decomposition Products:** Silicon dioxide. 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

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS-No.</th>
<th>Approx. Weight %</th>
<th>NIOSH - Selected LD50s and LC50s</th>
</tr>
</thead>
</table>

Product ID: 007.0020055
ETHYLENE GLYCOL
107-21-1

<table>
<thead>
<tr>
<th>Inhalation LC50 Rat</th>
<th>10876 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50 Rat</td>
<td>4700 mg/kg</td>
</tr>
<tr>
<td>Oral LD50 Mouse</td>
<td>5500 mg/kg</td>
</tr>
<tr>
<td>Dermal LD50 Rabbit</td>
<td>9530 uL/kg</td>
</tr>
</tbody>
</table>

Mutagens/Teratogens/Carcinogens:

May cause birth defects.

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.

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS-No.</th>
<th>Approx. Weight %</th>
<th>IARC Group 1 - Human Evidence</th>
<th>IARC Group 2A - Limited Human Data</th>
<th>IARC Group 2B - Sufficient Animal Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>TITANIUM DIOXIDE</td>
<td>13463-67-7</td>
<td>.1 - 1</td>
<td></td>
<td></td>
<td>2B Possible Carcinogen</td>
</tr>
</tbody>
</table>

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

U.S. Department of Transportation
Proper Shipping Name: PAINT, NOT REGULATED
UN ID Number: NRPAIN

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):
Proper Shipping Name: PAINT, NOT REGULATED
UN ID Number: NRPAIN

International Maritime Organization (IMO):
Proper Shipping Name: PAINT, NOT REGULATED
Non-Bulk UN ID Number: NRPAIN

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS-No.</th>
<th>Approx. Weight %</th>
<th>SARA 302</th>
<th>SARA 313</th>
<th>CERCLA RQ in lbs.</th>
</tr>
</thead>
</table>

Product ID: 007.0020055
ETHYLENE GLYCOL 107-21-1

SARA 311/312 Hazard Class:
Acute: yes
Chronic: yes
Flammability: no
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
ETHYLENE GLYCOL

Additional Non-Hazardous Materials

WATER 7732-18-5
PROPRIETARY INERT
PROPRIETARY RESIN

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: 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.

Product ID: 007.0020055
Disclaimer:
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Preparation Information:
Prepared By: Regulatory Affairs Department
Print date: 15/Oct/2008
Revision Date: 25/Sep/2008