Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product ID: 007.0073841
Product Name: SIG INT SATIN BASE 4
Product Use: Paint product.
Print date: 16/Oct/2008
Revision Date: 06/Oct/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
• Causes skin irritation.

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

Inhalation:
• Causes respiratory tract irritation.
• Harmful by inhalation.
• Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough.

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 to respirable crystalline quartz silica may cause delayed chronic injury (silicosis).

**Teratogens:**
- May cause birth defects.

**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

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS-No.</th>
<th>Approx. Weight %</th>
<th>Chemical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>SILICA</td>
<td>14808-60-7</td>
<td>1 - 5</td>
<td>QUARTZ (SiO2)</td>
</tr>
<tr>
<td>CLAY</td>
<td>66402-68-4</td>
<td>1 - 5</td>
<td>Ceramic materials and wares, chemicals</td>
</tr>
<tr>
<td>ETHYLENE GLYCOL</td>
<td>107-21-1</td>
<td>1 - 5</td>
<td>1,2-Ethanediol</td>
</tr>
<tr>
<td>TITANIUM DIOXIDE</td>
<td>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 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):** 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. 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 contact with eyes.

7. HANDLING AND STORAGE

Precautions to be taken in handling and storage:
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. 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)

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS-No.</th>
<th>Approx. Weight %</th>
<th>TWA (final)</th>
<th>Ceiling limits (final)</th>
<th>Skin designations</th>
</tr>
</thead>
<tbody>
<tr>
<td>SILICA</td>
<td>14808-60-7</td>
<td>1 - 5</td>
<td>Respirable. Listed. Total dust. Listed.</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>

ACGIH Threshold Limit Value (TLV's)

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### 9. PHYSICAL PROPERTIES

**Odor:** Normal for this product type.

**Physical State:** liquid

**pH:** not determined

**Vapor pressure:** 24 mmHg @ 77°F (25ºC)

**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):** 9.21

**Specific Gravity:** 1.1

**Evaporation rate (butyl acetate = 1.0):** 0.1

**Flash point (Fahrenheit):** 205°F (96ºC)

**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:** None known.

**Incompatibility:** Avoid water-reactive materials, heat or contact with peroxides or other catalysts.

**Hazardous Polymerization:** None anticipated.

**Hazardous Decomposition Products:** Carbon monoxide and carbon dioxide. Metal oxide fumes.

**Sensitivity to static discharge:** Sensitivity to static discharge is not expected.

### 11. TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>Approx. Weight %</th>
<th>NIOSH - Selected LD50s and LC50s</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYLENE GLYCOL</td>
<td>1 - 5</td>
<td>Inhalation LC50 Rat : 10876 mg/kg</td>
</tr>
<tr>
<td>107-21-1</td>
<td></td>
<td>Oral LD50 Rat : 4700 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Oral LD50 Mouse : 5500 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dermal LD50 Rabbit : 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. 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.

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS-No.</th>
<th>Approx. Weight %</th>
<th>California Prop 65 - Reproductive (Female)</th>
<th>California Prop 65 - Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>SILICA</td>
<td>14808-60-7</td>
<td>1 - 5</td>
<td>Listed: October 1, 1988 Carcinogenic.</td>
<td></td>
</tr>
</tbody>
</table>

<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>SILICA</td>
<td>14808-60-7</td>
<td>1 - 5</td>
<td>Monograph 68, 1997; (inhaled in the form of quartz or cristobalite from occupational sources)</td>
<td></td>
<td>2B Possible Carcinogen</td>
</tr>
<tr>
<td>TITANIUM DIOXIDE</td>
<td>13463-67-7</td>
<td>1 - 1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS-No.</th>
<th>Approx. Weight %</th>
<th>NTP Known Carcinogens</th>
<th>NTP Suspect Carcinogens</th>
<th>NTP Evidence of Carcinogenicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>SILICA</td>
<td>14808-60-7</td>
<td>1 - 5</td>
<td>Known carcinogen.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS-No.</th>
<th>Approx. Weight %</th>
<th>OSHA Select Carcinogens</th>
<th>OSHA Possible Select Carcinogens</th>
<th>ACGIH Carcinogens</th>
</tr>
</thead>
<tbody>
<tr>
<td>SILICA</td>
<td>14808-60-7</td>
<td>1 - 5</td>
<td></td>
<td></td>
<td>Group A2 Suspected human 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>
<tbody>
<tr>
<td>CLAY</td>
<td>66402-68-4</td>
<td>1 - 5</td>
<td></td>
<td>YES</td>
<td></td>
</tr>
<tr>
<td>ETHYLENE GLYCOL</td>
<td>107-21-1</td>
<td>1 - 5</td>
<td></td>
<td></td>
<td>Form R reporting required for 1.0% de minimis concentration 5000</td>
</tr>
</tbody>
</table>

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:
SILICA 14808-60-7
CLAY 66402-68-4
ETHYLENE GLYCOL 107-21-1

Additional Non-Hazardous Materials
WATER 7732-18-5
PROPRIETARY RESIN Trade Secret

California Proposition 65:
WARNING! This product contains a chemical known in 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.

16. OTHER INFORMATION

Product ID: 007.0073841
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:
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Preparation Information:
Prepared By: Regulatory Affairs Department
Print date: 16/Oct/2008
Revision Date: 06/Oct/2008