The Valspar Corporation  
Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Material Identification
Product ID: 405.0001500.046
Product Name: Panel & Coatings, Related Product
Product Use: Painting, Coatings
Print date: 20/Dec/2006
Revision Date: 20/Dec/2006

Company Identification
The Valspar Corporation - Architectural Coatings Division
1000 Lake Road
Medina, OH 44256
Manufacturer's Phone: 1-330-725-4511

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

2. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Approx. Weight %</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALIPHATIC PETROLEUM DISTILLATES</td>
<td>15 - 20</td>
<td>SOLVENT NAPHTHA, PETROLEUM, LIGHT ALIPH</td>
</tr>
<tr>
<td>64742-89-8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PROPANE</td>
<td>15 - 20</td>
<td>Propane</td>
</tr>
<tr>
<td>74-98-6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CYCLOHEXANE</td>
<td>15 - 20</td>
<td>Cyclohexane</td>
</tr>
<tr>
<td>110-82-7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DIMETHYL KETONE</td>
<td>15 - 20</td>
<td>ACETONE</td>
</tr>
<tr>
<td>67-64-1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOLUENE</td>
<td>10 - 15</td>
<td>Toluene</td>
</tr>
<tr>
<td>108-88-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUTANE</td>
<td>5 - 10</td>
<td>Butane</td>
</tr>
<tr>
<td>106-97-8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALUMINUM</td>
<td>1 - 5</td>
<td>Aluminum</td>
</tr>
<tr>
<td>7429-90-5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXEMPT MINERAL SPIRITS</td>
<td>1 - 5</td>
<td>Stoddard solvent</td>
</tr>
<tr>
<td>8052-41-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ETHYLBENZENE</td>
<td>1 - 1</td>
<td>Ethyl benzene</td>
</tr>
<tr>
<td>100-41-4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

3. HAZARDS IDENTIFICATION

Primary Routes of Exposure:
Inhalation
Ingestion
Skin absorption
Emergency Overview:
This section not in use.

This product contains ingredients that may contribute to the following potential acute health effects:

**Inhalation Effects:**
Harmful if inhaled. May affect the brain, nervous system, or respiratory system, causing dizziness, headache, nausea or respiratory irritation.

**Eye Contact:**
Corneal Injury/eye damage. Causes eye irritation.

**Skin Contact:**
May cause moderate skin irritation. May cause dermatitis.

**Acute Ingestion:**
Irritation of gastrointestinal tract.

**Other Effects:**
May cause central nervous system depression.

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 and/or repeated contact can result in skin irritation. May cause skin drying with prolonged exposure. Possible birth defects hazard. Contains ingredients which may cause birth defects based on animal data. May cause kidney damage. May cause liver damage.

See Section 11 for toxicological information about Mutagens, Teratogens and Carcinogens.

If this section is blank, no information is available.

4. FIRST AID MEASURES

**Inhalation:**
If affected by inhalation, move victim to fresh air. If symptoms persist, seek medical attention. If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

**Eye Contact:**
In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

**Skin Contact:**
In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. If irritation persists get medical attention. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean contaminated shoes.

**Ingestion:**
If swallowed, do not induce vomiting. Give large quantities of water. If available, give several glasses of milk. Never give anything by mouth to an unconscious person. Get medical attention immediately. If swallowed, get medical attention immediately.

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

5. FIRE FIGHTING MEASURES

**Flash point (Fahrenheit):**
-31°F (-35°C) TCC/PM

**Lower explosive limit:**
1%
5. FIRE FIGHTING MEASURES

Upper explosive limit: 13 %
Autoignition temperature: Not available. °F (°C)
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:
Use water spray to cool nearby containers and structures exposed to fire.

6. ACCIDENTAL RELEASE MEASURES

Action to be taken if material is released or spilled:
Ventilate area. Avoid breathing of vapors. 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 5, "Unusual Fire and Explosion Hazards", for proper container and storage procedures. Remove sources of ignition. Remove with inert absorbent and non sparking tools. Avoid contact with eyes.

7. HANDLING AND STORAGE

Precautions to be taken in handling and storage:
Keep away from heat, sparks, and flames. 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. 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.

8. PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE CONTROLS

Personal Protective Equipment

Eye and face protection:
Avoid contact with eyes. Wear chemical goggles if there is the possibility of contact or splashing in the eye.

Skin protection:
Appropriate chemical resistant gloves should be worn. 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
Required when spraying or applying in confined area. Ventilation equipment should be explosion proof. Eliminate ignition sources.
## Exposure Guidelines

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

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Approx. Weight</th>
<th>TWA (final)</th>
<th>Ceilings limits (final)</th>
<th>Skin designations</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROPANE</td>
<td>15 - 20</td>
<td>1800 mg/m³ 1000 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CYCLOHEXANE</td>
<td>15 - 20</td>
<td>1050 mg/m³ 300 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DIMETHYL KETONE</td>
<td>15 - 20</td>
<td>2400 mg/m³ 1000 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOLUENE</td>
<td>10 - 15</td>
<td>200 ppm</td>
<td>300 ppm</td>
<td></td>
</tr>
<tr>
<td>ALUMINUM</td>
<td>1 - 5</td>
<td>15 mg/m³ Total dust. Al</td>
<td>5 mg/m³ Respirable dust. Al</td>
<td></td>
</tr>
<tr>
<td>EXEMPT MINERAL SPIRITS</td>
<td>1 - 5</td>
<td>2900 mg/m³ 500 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ETHYLBENZENE</td>
<td>.1 - 1</td>
<td>435 mg/m³ 100 ppm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Approx. Weight</th>
<th>TWA</th>
<th>STEL</th>
<th>Ceiling limits</th>
<th>Skin designations</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROPANE</td>
<td>15 - 20</td>
<td>1000 ppm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CYCLOHEXANE</td>
<td>15 - 20</td>
<td>100 ppm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DIMETHYL KETONE</td>
<td>15 - 20</td>
<td>500 ppm</td>
<td>750 ppm</td>
<td></td>
<td>Can be absorbed through the skin.</td>
</tr>
<tr>
<td>TOLUENE</td>
<td>10 - 15</td>
<td>50 ppm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUTANE</td>
<td>5 - 10</td>
<td>1000 ppm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALUMINUM</td>
<td>1 - 5</td>
<td>5 mg/m³ Total dust. Al</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXEMPT MINERAL SPIRITS</td>
<td>1 - 5</td>
<td>100 ppm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ETHYLBENZENE</td>
<td>.1 - 1</td>
<td>100 ppm</td>
<td>125 ppm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

If this section is blank, no information is available.

### 9. PHYSICAL PROPERTIES

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

- **Physical State:**
  - Liquid
  - Not determined
  - NOT DETERMINED mmHG @ 68°F (20°C)
  - 4.8
  - -42°F (-41°C)
  - Not determined

- **Boiling point:**
  - Not determined

- **Solubility in water:**
  - Normal for this product type.

**Product ID:** 405.0001500.046

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9. PHYSICAL PROPERTIES
Coefficient of water/oil distribution: Not determined.
Density (lbs per US gallon): 6.21
Specific Gravity: .74
Evaporation rate (butyl acetate = 1.0): 6.1

10. STABILITY AND REACTIVITY
Stability: Stable
Conditions to Avoid: This product may react with water, acids, and caustics, slowly producing gas and heat.
Incompatibility: Strong oxidizers.
Hazardous Polymerization: None anticipated.
Hazardous Decomposition Products: Carbon monoxide and carbon dioxide.
Sensitivity to static discharge: Subject to static discharge hazards. Please see bonding and grounding information in Section 7.

11. TOXICOLOGICAL INFORMATION
Mutagens:

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Approx. Weight %</th>
<th>California Prop 65 - Developmental Toxicity</th>
<th>California Prop 65 - Reproductive (Male)</th>
</tr>
</thead>
</table>

Teratogens:

Carcinogens:
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.

<table>
<thead>
<tr>
<th>Common Name</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>ETHYLBENZENE 100-41-4</td>
<td>.1 - 1</td>
<td>Monograph 77, 2000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Common Name</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>TOLUENE 108-88-3</td>
<td>10 - 15</td>
<td>MALE RAT - NO EVIDENCE; FEMALE RAT - NO EVIDENCE; MALE MICE - NO EVIDENCE; FEMALE MICE - NO EVIDENCE.</td>
<td>male rat-clear evidence; female rat-some evidence; male mice-some evidence; female mice-some evidence</td>
<td></td>
</tr>
<tr>
<td>ETHYLBENZENE 100-41-4</td>
<td>.1 - 1</td>
<td>male rat-clear evidence; female rat-some evidence; male mice-some evidence; female mice-some evidence</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
If this section is blank, no information is available.

12. ECOLOGICAL DATA

Not available at this time.

13. DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION

U.S. Department of Transportation
Proper Shipping Name: CONSUMER COMMODITY ORM-D
UN ID Number: CONCOM

49 CFR Hazardous Material Regulations Parts 100-180
The supplier will apply the combustible liquid exception in 49 CFR 173.150(f), limited quantity or "does not sustain combustion" exceptions and consumer commodity rules, when authorized. Please check 49 CFR Parts 100-180 to determine if the use of these exceptions applies to your shipments when re-shipping our products.

International Air Transport Association:
Proper Shipping Name: AEROSOLS, FLAMMABLE
Hazard Class: 2.1
UN ID Number: UN1950

International Maritime Organization:
Proper Shipping Name: AEROSOLS
Hazard Class: 2
Non-Bulk UN ID Number: UN1950

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Approx. Weight %</th>
<th>SARA 302</th>
<th>SARA 313</th>
<th>CERCLA RQ in lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CYCLOHEXANE</td>
<td>15 - 20</td>
<td>form R reporting required for 1.0% de minimis concentration</td>
<td>1000</td>
<td></td>
</tr>
<tr>
<td>110-82-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DIMETHYL KETONE</td>
<td>15 - 20</td>
<td>form R reporting required for 1.0% de minimis concentration</td>
<td>5000</td>
<td></td>
</tr>
<tr>
<td>67-64-1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOLUENE</td>
<td>10 - 15</td>
<td>form R reporting required for 1.0% de minimis concentration</td>
<td>1000</td>
<td></td>
</tr>
<tr>
<td>108-88-3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALUMINUM</td>
<td>1 - 5</td>
<td>form R reporting required for 1.0% de minimis concentration (fume or dust only)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7429-90-5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Common Name</td>
<td>CAS-No.</td>
<td>Approx. Weight %</td>
<td>SARA 302</td>
<td>SARA 313</td>
</tr>
<tr>
<td>------------------</td>
<td>---------</td>
<td>------------------</td>
<td>----------</td>
<td>--------------------------</td>
</tr>
<tr>
<td>ETHYLBENZENE</td>
<td>100-41-4</td>
<td>.1 - 1</td>
<td></td>
<td>form R reporting required for 1.0% de minimis concentration</td>
</tr>
</tbody>
</table>

**SARA 311/312 Hazard Class:**
- Acute: Yes
- Chronic: Yes
- Flammability: Yes
- Reactivity: No
- Sudden Pressure: Yes

**U.S. STATE REGULATIONS:**

**Pennsylvania Right To Know:**
- DIMETHYL KETONE: 67-64-1
- PROPANE: 74-98-6
- EXEMPT MINERAL SPIRITS: 8052-41-3
- ALUMINUM: 7429-90-5
- TOLUENE: 108-88-3
- CYCLOHEXANE: 110-82-7
- ALIPHATIC PETROLEUM DISTILLATES: 64742-89-8
- BUTANE: 106-97-8

**Additional Non-Hazardous Materials**

**SUPPLIER TRADE SECRET**

**California Proposition 65:**
WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**Rule 66 status of product**

**INTERNATIONAL REGULATIONS - Chemical Inventories**

**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: 4
- 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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