1. PRODUCT AND COMPANY IDENTIFICATION

Product Identification
Product ID: 400.0019104.076
Product Name: 19104 COPPER 6U
Product Use: Paint product.
Print date: 21/Oct/2008
Revision Date: 21/Oct/2008

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. HAZARDS IDENTIFICATION

Primary Routes of Exposure:
Inhalation
Ingestion
Skin absorption

Eye Contact:
• Severe eye irritation

Skin Contact:
• Causes skin irritation.
• May cause defatting of the skin.
• Can be absorbed through skin.

Ingestion:
• Irritation of the mouth, throat, and stomach.
• 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:
- Kidney injury may occur.
- Liver injury may occur.
- Causes headache, drowsiness or other effects to the central nervous system.
- Blood disorders

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.

### 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>DIMETHYL KETONE-EXEMPT SOLVENT</td>
<td>67-64-1</td>
<td>30 - 35</td>
<td>Acetone</td>
</tr>
<tr>
<td>PROPANE</td>
<td>74-98-6</td>
<td>15 - 20</td>
<td>Propane</td>
</tr>
<tr>
<td>ETHYLBENZENE</td>
<td>100-41-4</td>
<td>10 - 15</td>
<td>Ethyl benzene</td>
</tr>
<tr>
<td>XYLENE</td>
<td>1330-20-7</td>
<td>10 - 15</td>
<td>Xylenes (o-, m-, p- isomers)</td>
</tr>
<tr>
<td>COPPER</td>
<td>7440-50-8</td>
<td>5 - 10</td>
<td>Copper</td>
</tr>
<tr>
<td>BUTANE</td>
<td>106-97-8</td>
<td>5 - 10</td>
<td>Butane</td>
</tr>
<tr>
<td>AROMATIC NAPHTHA, LIGHT</td>
<td>64742-95-6</td>
<td>1 - 5</td>
<td>Petroleum naphtha, light aromatic</td>
</tr>
<tr>
<td>1,2,4-TRIMETHYL BENZENE</td>
<td>95-63-6</td>
<td>1 - 5</td>
<td>PSEUDO CUMENE</td>
</tr>
</tbody>
</table>

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

### 4. FIRST AID MEASURES

**Eye Contact:**
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. 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. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. 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.

Product ID: 400.0019104.076
Medical conditions aggravated by exposure:
Any respiratory or skin condition.

5. FIRE FIGHTING MEASURES

Flash point (Fahrenheit): -31°F (-35°C)
Lower explosive limit: 1 %
Upper explosive limit: 13 %
Autoignition temperature: not determined -ºF (ºC)
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 contact with eyes.

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:
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.

Product ID: 400.0019104.076
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)

<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>DIMETHYL KETONE-EXEMPT SOLVENT</td>
<td>67-64-1</td>
<td>30 - 35</td>
<td>2400 mg/m³ 1000 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PROPANE</td>
<td>74-98-6</td>
<td>15 - 20</td>
<td>1800 mg/m³ 1000 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ETHYLBENZENE</td>
<td>100-41-4</td>
<td>10 - 15</td>
<td>435 mg/m³ 100 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XYLENE</td>
<td>1330-20-7</td>
<td>10 - 15</td>
<td>435 mg/m³ 100 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COPPER</td>
<td>7440-50-8</td>
<td>5 - 10</td>
<td>0.1 mg/m³ Fume. Cu</td>
<td>1 mg/m³ Dust and mist. Cu</td>
<td></td>
</tr>
</tbody>
</table>

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>DIMETHYL KETONE-EXEMPT SOLVENT</td>
<td>67-64-1</td>
<td>30 - 35</td>
<td>500 ppm</td>
<td>750 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PROPANE</td>
<td>74-98-6</td>
<td>15 - 20</td>
<td>1000 ppm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ETHYLBENZENE</td>
<td>100-41-4</td>
<td>10 - 15</td>
<td>100 ppm</td>
<td>125 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XYLENE</td>
<td>1330-20-7</td>
<td>10 - 15</td>
<td>100 ppm</td>
<td>150 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COPPER</td>
<td>7440-50-8</td>
<td>5 - 10</td>
<td>0.2 mg/m³ Fume. Cu</td>
<td>1 mg/m³ Dust and mist. Cu</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUTANE</td>
<td>106-97-8</td>
<td>5 - 10</td>
<td>1000 ppm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,2,4-TRIMETHYLBENZENE</td>
<td>95-63-6</td>
<td>1 - 5</td>
<td>25 PPM</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

9. PHYSICAL PROPERTIES

Odor: Normal for this product type.
Physical State: Aerosol
pH: not determined
Vapor pressure: NOT DETERMINED mmHg @ 68ºF (20ºC)

Product ID: 400.0019104.076
9. PHYSICAL PROPERTIES

Vapor density (air = 1.0): 4.3
Boiling point: not determined
Solubility in water: not determined
Coefficient of water/oil distribution: not determined
Density (lbs per US gallon): 6.63
Specific Gravity: .79
Evaporation rate (butyl acetate = 1.0): 5.6
Flash point (Fahrenheit): -31ºF (-35ºC)
Lower explosive limit: 1 %
Upper explosive limit: 13 %
Autoignition temperature: not determined -ºF (ºC)

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to Avoid: Heat.
Incompatibility: Strong oxidizing agents
Hazardous Polymerization: None anticipated.
Hazardous Decomposition Products: 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

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS-No.</th>
<th>Approx. Weight %</th>
<th>NIOSH - Selected LD50s and LC50s</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIMETHYL KETONE-EXEMPT SOLVENT</td>
<td>67-64-1</td>
<td>30 - 35</td>
<td>Inhalation LC50 Rat : 50100 mg/m³/8H</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Inhalation LC50 Mouse : 44 gm/m³/4H</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Oral LD50 Rat : 5800 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Oral LD50 Mouse : 3 gm/kg</td>
</tr>
<tr>
<td>ETHYLBENZENE</td>
<td>100-41-4</td>
<td>10 - 15</td>
<td>Oral LD50 Rat : 3500 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dermal LD50 Rabbit : 17800 uL/kg</td>
</tr>
<tr>
<td>XYLENE</td>
<td>1330-20-7</td>
<td>10 - 15</td>
<td>Inhalation LC50 Rat : 5000 ppm/4H</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Oral LD50 Rat : 4300 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dermal LD50 Rabbit : &gt;1700 mg/kg</td>
</tr>
<tr>
<td>BUTANE</td>
<td>106-97-8</td>
<td>5 - 10</td>
<td>Inhalation LC50 Rat : 658 gm/m³/4H</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Inhalation LC50 Mouse : 680 gm/m³/2H</td>
</tr>
<tr>
<td>AROMATIC NAPHTHA, LIGHT</td>
<td>64742-95-6</td>
<td>1 - 5</td>
<td>Oral LD50 Rat : 8400 mg/kg</td>
</tr>
<tr>
<td>1,2,4-TRIMETHYLBENZENE</td>
<td>95-63-6</td>
<td>1 - 5</td>
<td>Inhalation LC50 Rat : 18 gm/m³/4H</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Oral LD50 Rat : 5 gm/kg</td>
</tr>
</tbody>
</table>

Mutagens/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>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>ETHYLBENZENE</td>
<td>100-41-4</td>
<td>10 - 15</td>
<td>Listed: June 11, 2004 Carcinogenic.</td>
<td></td>
</tr>
</tbody>
</table>

Product ID: 400.0019104.076
<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>ETHYLBENZENE</td>
<td>100-41-4</td>
<td>10 - 15</td>
<td></td>
<td></td>
<td>Monograph 77, 2000</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>ETHYLBENZENE</td>
<td>100-41-4</td>
<td>10 - 15</td>
<td></td>
<td></td>
<td>male rat-clear evidence; female rat-some evidence; male mice-some evidence; female mice-some evidence</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>ETHYLBENZENE</td>
<td>100-41-4</td>
<td>10 - 15</td>
<td></td>
<td></td>
<td>Group A3 Confirmed animal carcinogen with unknown relevance to humans.</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: CONSUMER COMMODITY ORM-D
UN ID Number: CONCOM

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: AEROSOLS, FLAMMABLE
Hazard Class: 2.1
UN ID Number: UN1950

International Maritime Organization (IMO):
Proper Shipping Name: AEROSOLS
Hazard Class: 2.1
Non-Bulk UN ID Number: UN1950
Marine Pollutant Ingredient 1: Copper

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:
### 15. REGULATORY INFORMATION

<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>DIMETHYL KETONE- EXEMPT SOLVENT</td>
<td>67-64-1</td>
<td>30 - 35</td>
<td></td>
<td></td>
<td>5000</td>
</tr>
<tr>
<td>ETHYLBENZENE</td>
<td>100-41-4</td>
<td>10 - 15</td>
<td></td>
<td>Form R reporting required for 1.0% de minimis concentration</td>
<td>1000</td>
</tr>
<tr>
<td>XYLENE</td>
<td>1330-20-7</td>
<td>10 - 15</td>
<td></td>
<td>Form R reporting required for 1.0% de minimis concentration</td>
<td>100</td>
</tr>
<tr>
<td>COPPER</td>
<td>7440-50-8</td>
<td>5 - 10</td>
<td></td>
<td>Form R reporting required for 1.0% de minimis concentration</td>
<td>5000</td>
</tr>
<tr>
<td>1,2,4-TRIMETHYLBENZENE</td>
<td>95-63-6</td>
<td>1 - 5</td>
<td></td>
<td>Listed.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SARA 311/312 Hazard Class:</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute:</td>
<td>yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chronic:</td>
<td>yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability:</td>
<td>yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reactivity:</td>
<td>no</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sudden Pressure:</td>
<td>yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 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:**

- PROPANE 74-98-6
- BUTANE 106-97-8
- DIMETHYL KETONE- EXEMPT SOLVENT 67-64-1
- AROMATIC NAPHTHA, LIGHT 64742-95-6
- 1,2,4-TRIMETHYLBENZENE 95-63-6
- ETHYLBENZENE 100-41-4
- XYLENE 1330-20-7
- COPPER 7440-50-8

**Additional Non-Hazardous Materials**

- 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**
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:** 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:**

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:** 21/Oct/2008
- **Revision Date:** 21/Oct/2008