1. PRODUCT AND COMPANY IDENTIFICATION

Material Identification
Product ID: KP2CFA
Product Name: KWIKKURE EPOXY PRIMER - CHROMATE FREE
Product Use: Paint product.
Print date 17/Nov/2005
Revision Date 16/Nov/2005

Company Identification
The Valspar Corporation The Valspar Corporation - Architectural Coatings Division
210 CROSBY
PICAYUNE, MS 39466
Manufacturer’s Phone: 1-601-798-4731

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

2. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Common Name CAS-No.</th>
<th>Approx. Weight %</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROPRIETARY RESIN</td>
<td>20 - 25</td>
<td>PROPRIETARY RESIN</td>
</tr>
<tr>
<td>NICKEL ANTIMONY</td>
<td>10 - 15</td>
<td>NICKEL ANTIMONY TITANIUM YELLOW RUTILE</td>
</tr>
<tr>
<td>TITANIUM YELLOW</td>
<td>8007-18-9</td>
<td></td>
</tr>
<tr>
<td>RUTILE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>METHYL ETHYL KETONE</td>
<td>78-93-3</td>
<td>10 - 15 Methyl ethyl ketone</td>
</tr>
<tr>
<td>METHYL ISOBUTYL</td>
<td>108-10-1</td>
<td>5 - 10 Methylisobutyl ketone</td>
</tr>
<tr>
<td>KETONE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TALC</td>
<td>14807-96-6</td>
<td>5 - 10 TALC (MG3H2(SI03)4)</td>
</tr>
<tr>
<td>XYLENE</td>
<td>1330-20-7</td>
<td>5 - 10 Xylenes (o-, m-, p- isomers)</td>
</tr>
<tr>
<td>TOLUENE</td>
<td>108-88-3</td>
<td>5 - 10 Toluene</td>
</tr>
<tr>
<td>ETHYLBENZENE</td>
<td>100-41-4</td>
<td>1 - 5 Ethyl benzene</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.

Skin Contact:
Contains a component which is a known or suspected skin sensitizer.

Acute Ingestion:
May be harmful if swallowed.

Other Effects:
May cause central nervous system depression. May cause kidney damage. May cause liver damage.

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. May cause eye damage and pain. Contains a component which is a known or suspected skin sensitizer. Possible birth defects hazard. Contains ingredients which may cause birth defects based on animal data. May cause kidney damage. Possible sensitization. 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.

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 shoes and discard. Remove contaminated clothing and launder before reuse.

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): 25°F (−4°C) TCC/PM
Lower explosive limit: 1%
Upper explosive limit: 16%
Autoignition temperature: Not available. 9°F (−13°C)

Product ID: KP2CFA
Sensitivity to impact: No.
Sensitivity to static discharge: Subject to static discharge hazards. Please see bonding and grounding information in Section 7. See Section 10.

Hazardous combustion products:

**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. Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

### 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 all personal contact.

### 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.

### 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:**
Gloves: Neoprene or other nonporous. Neoprene or plastic apron and protective clothing covering exposed skin 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.

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

Product ID: KP2CFA
<table>
<thead>
<tr>
<th>Common 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>NICKEL ANTIMONY</td>
<td>8007-18-9</td>
<td>10 - 15</td>
<td>0.5 mg/m³</td>
<td>1 mg/m³ Sb Ni</td>
<td></td>
</tr>
<tr>
<td>TITANIUM YELLOW</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RUTILE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>METHYL ETHYL KETONE</td>
<td>78-93-3</td>
<td>10 - 15</td>
<td>590 mg/m³ 200 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>METHYL ISOBUTYL</td>
<td>108-10-1</td>
<td>5 - 10</td>
<td>410 mg/m³ 100 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>KETONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TALC</td>
<td>14807-96-6</td>
<td>5 - 10</td>
<td>5 mg/m³ Respirable fraction. 15 mg/m³ Total dust. Respirable fraction. Listed. Total dust. Listed. Respirable. Listed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XYLENE</td>
<td>1330-20-7</td>
<td>5 - 10</td>
<td>435 mg/m³ 100 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOLUENE</td>
<td>108-88-3</td>
<td>5 - 10</td>
<td>200 ppm</td>
<td>300 ppm</td>
<td></td>
</tr>
<tr>
<td>ETHYLBENZENE</td>
<td>100-41-4</td>
<td>1 - 5</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>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>NICKEL ANTIMONY</td>
<td>8007-18-9</td>
<td>10 - 15</td>
<td>0.5 mg/m³ Sb</td>
<td>0.2 mg/m³ Sb</td>
<td>0.5 mg/m³ Sb</td>
<td></td>
</tr>
<tr>
<td>TITANIUM YELLOW</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RUTILE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>METHYL ETHYL KETONE</td>
<td>78-93-3</td>
<td>10 - 15</td>
<td>200 ppm</td>
<td>300 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>METHYL ISOBUTYL</td>
<td>108-10-1</td>
<td>5 - 10</td>
<td>50 ppm</td>
<td>75 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>KETONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TALC</td>
<td>14807-96-6</td>
<td>5 - 10</td>
<td>10 mg/m³ Inhalable particles.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>XYLENE</td>
<td>1330-20-7</td>
<td>5 - 10</td>
<td>100 ppm</td>
<td>150 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOLUENE</td>
<td>108-88-3</td>
<td>5 - 10</td>
<td>50 ppm</td>
<td></td>
<td></td>
<td>Can be absorbed through the skin.</td>
</tr>
<tr>
<td>ETHYLBENZENE</td>
<td>100-41-4</td>
<td>1 - 5</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
pH: Not determined.
Vapor pressure: 78 mmHG @ 68º F (20º C)
Vapor density (air = 1.0): 3.7
Boiling point: 156º F (69º C)
Solubility in water: Insoluble.
Coefficient of water/oil distribution: Not determined.
Density (lbs per US gallon): 11.38
Specific Gravity: 1.36
Evaporation rate (butyl acetate = 1.0): 5.6

10. STABILITY AND REACTIVITY

Stability: Stable
Conditions to Avoid: None known.
Incompatibility: Strong oxidizers.
Hazardous Polymerization: None anticipated.
Hazardous Decomposition Products: 

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>CAS-No.</th>
<th>Approx. Weight %</th>
<th>Calif- Prop. 65. Developmental Toxicity</th>
<th>California Prop 65 - reproductive male</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOLUENE</td>
<td>108-88-3</td>
<td>5 - 10</td>
<td>Listed: January 1, 1991</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Developmental toxin.</td>
<td></td>
</tr>
</tbody>
</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. Contains antimony compounds which has been shown to cause cancer in laboratory animals.

<table>
<thead>
<tr>
<th>Common 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>NICKEL ANTIMONY</td>
<td>TITANIUM YELLOW</td>
<td>10 - 15</td>
<td>KNOWN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RUTILE</td>
<td>8007-18-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ETHYLBENZENE</td>
<td>100-41-4</td>
<td>1 - 5</td>
<td></td>
<td></td>
<td>Monograph 77, 2000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Common 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>NICKEL ANTIMONY</td>
<td>TITANIUM YELLOW</td>
<td>10 - 15</td>
<td>Known carcinogen.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RUTILE</td>
<td>8007-18-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TALC</td>
<td>14807-96-6</td>
<td>5 - 10</td>
<td>male rat-some evidence; female rat-clear evidence; male mice-no evidence; female mice-no evidence</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOLUENE</td>
<td>108-88-3</td>
<td>5 - 10</td>
<td>MALE RAT - NO EVIDENCE; FEMALE RAT - NO EVIDENCE; MALE MICE - NO EVIDENCE; FEMALE MICE - NO EVIDENCE.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ETHYLBENZENE</td>
<td>100-41-4</td>
<td>1 - 5</td>
<td>male rat-clear evidence; female rat-some evidence; male mice-some evidence; female mice-some evidence</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Common Name</td>
<td>Approx. Weight %</td>
<td>OSHA Select carcinogens</td>
<td>OSHA Possible select carcinogens</td>
<td>ACGIH Carcinogens</td>
<td></td>
</tr>
<tr>
<td>----------------------</td>
<td>------------------</td>
<td>-------------------------</td>
<td>---------------------------------</td>
<td>----------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>TITANIUM YELLOW</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RUTILE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8007-18-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ETHYLBENZENE</td>
<td>1 - 5</td>
<td></td>
<td></td>
<td>Group A3 Confirmed animal carcinogen with unknown relevance to humans.</td>
<td></td>
</tr>
<tr>
<td>100-41-4</td>
<td></td>
<td></td>
<td></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: PAINT
Hazard Class: 3
UN ID Number: UN1263
Packing Group: II

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: PAINT
Hazard Class: 3
UN ID Number: UN1263
Packing Group: II

International Maritime Organization:
Proper Shipping Name: PAINT
Hazard Class: 3
UN ID Number: UN1263
Packing Group: II

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:
<table>
<thead>
<tr>
<th>Common 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>NICKEL ANTIMONY TITANIUM YELLOW RUTILE</td>
<td>8007-18-9</td>
<td>10 - 15</td>
<td></td>
<td>YES</td>
<td></td>
</tr>
<tr>
<td>METHYL ETHYL KETONE</td>
<td>78-93-3</td>
<td>10 - 15</td>
<td></td>
<td></td>
<td>5000</td>
</tr>
<tr>
<td>METHYL ISOBUTYL KETONE</td>
<td>108-10-1</td>
<td>5 - 10</td>
<td></td>
<td></td>
<td>5000</td>
</tr>
<tr>
<td>XYLENE</td>
<td>1330-20-7</td>
<td>5 - 10</td>
<td></td>
<td></td>
<td>100</td>
</tr>
<tr>
<td>TOLUENE</td>
<td>108-88-3</td>
<td>5 - 10</td>
<td></td>
<td></td>
<td>1000</td>
</tr>
<tr>
<td>ETHYLBENZENE</td>
<td>100-41-4</td>
<td>1 - 5</td>
<td></td>
<td></td>
<td>1000</td>
</tr>
</tbody>
</table>

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

U.S. STATE REGULATIONS:
**Pennsylvania Right To Know:**
- PROPRIETARY RESIN: Trade Secret
- METHYL ETHYL KETONE: 78-93-3
- NICKEL ANTIMONY TITANIUM YELLOW RUTILE: 8007-18-9
- ETHYLBENZENE: 100-41-4
- METHYL ISOBUTYL KETONE: 108-10-1
- TOLUENE: 108-88-3
- XYLENE: 1330-20-7
- TALC: 14807-96-6

**Additional Non-Hazardous Materials**
- BARIUM SULPHATE: 7727-43-7

**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: Photochemically reactive.

**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.

Product ID: KP2CFA
16. OTHER INFORMATION

HMIS Codes
- Health: 2
- Flammability: 3
- 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.