MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name: 1245 Acry-Shield 100% Acrylic Exterior Low-Sheen Paint 417 Oxford Brown
Version #: 02
Revision date: 05-05-2011
CAS #: Mixture
Product code: 1245-417
Product use: Paint.
Manufacturer/Supplier: Kelly-Moore Paint Co., Inc.
Address: 987 Commercial St., San Carlos, CA 94070
E-mail: rstetson@kellymoore.com
Telephone number: 1-800-874-4436
E-mail: Not available.
Contact person: Robert Stetson
Emergency Telephone Number: 1-800-424-9300

2. Hazards Identification

Physical state: Liquid.
Appearance: Milky white to colored liquid.
Emergency overview: CAUTION
Prolonged or repeated contact may dry skin and cause irritation.
OSHA regulatory status: This product is hazardous according to OSHA 29 CFR 1910.1200.
Potential health effects

Routes of exposure: Inhalation. Skin contact.
Eyes: Direct contact with eyes may cause temporary irritation.
Skin: Prolonged or repeated contact may dry skin and cause irritation.
Inhalation: Prolonged inhalation may be harmful.
Ingestion: Ingestion may cause irritation and malaise.
Target organs: Central nervous system. Skin.
Chronic effects: Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Organic solvents may be absorbed into the body by inhalation and cause permanent damage to the nervous system, including the brain.
Signs and symptoms: Defatting of the skin. Vapors may cause drowsiness and dizziness.
Potential environmental effects: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>&lt;2</td>
</tr>
<tr>
<td>Carbon black</td>
<td>1333-86-4</td>
<td>&lt;0.5</td>
</tr>
</tbody>
</table>

Composition comments: Components not listed are either non-hazardous or are below reportable limits. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First Aid Measures

First aid procedures

Eye contact: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms persist.
Skin contact: Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. Get medical attention if irritation persists after washing.
5. Fire Fighting Measures

**Flammable properties**
The product is not flammable.

**Extinguishing media**
- Suitable extinguishing media: Extinguish with foam, carbon dioxide, dry powder or water fog.
- Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

**Protection of firefighters**
Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental Release Measures

**Personal precautions**
Avoid inhalation of vapors and contact with skin and eyes. Wear appropriate personal protective equipment (See Section 8).

**Environmental precautions**
Prevent further leakage or spillage if safe to do so. Do not contaminate water.

**Methods for containment**
Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basement or confined areas.

**Methods for cleaning up**
Should not be released into the environment.

Large Spills: Absorb in vermiculite, dry sand or earth and place into containers.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Following product recovery, flush area with water.

Never return spills in original containers for re-use. For waste disposal, see section 13 of the MSDS.

7. Handling and Storage

**Handling**
Provide adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid breathing vapor. Wear appropriate personal protective equipment. Wash thoroughly after handling. Observe good industrial hygiene practices.

**Storage**
Store in tightly closed original container in a dry, cool and well-ventilated place. Store away from incompatible materials.

8. Exposure Controls / Personal Protection

**Occupational exposure limits**
No exposure limits noted for ingredient(s).

**Engineering controls**
Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

**Personal protective equipment**
- **Eye / face protection**: Wear approved safety goggles.

**Skin protection**
Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable.

**Respiratory protection**
Use NIOSH certified, air purifying respirators with N-, P-, or R-series particulate filter and organic vapor cartridges when concentration of vapor or mist exceeds applicable exposure limits. Protection provided by air-purifying respirators is limited. Selection and use of respiratory protective equipment should be in accordance with OSHA General Industry Standard 29 CFR 1910.134. Consult a qualified industrial hygienist or Safety Professional for respirator selection guidance.

**General hygiene considerations**
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
9. Physical & Chemical Properties

Appearance
Milky white to colored liquid.

Color
Various.

Odor
Slightly ammoniacal.

Odor threshold
Not available.

Physical state
Liquid.

Form
Liquid.

pH
7 - 10

Melting point
Not available.

Freezing point
Not available.

Boiling point
Not available.

Flash point
Not available.

Evaporation rate
< 1 (n-BuAc=1)

Flammability limits in air, upper, % by volume
Not available.

Flammability limits in air, lower, % by volume
Not available.

Vapor pressure
Not available.

Vapor density
> 1 (Air=1)

Specific gravity
Not available.

Solubility (water)
Moderately soluble

Partition coefficient (n-octanol/water)
Not available.

Auto-ignition temperature
Not available.

Decomposition temperature
Not available.

10. Chemical Stability & Reactivity Information

Chemical stability
Material is stable under normal conditions.

Conditions to avoid
Contact with incompatible materials.

Incompatible materials
Strong oxidizing agents. Strong acids.

Hazardous decomposition products
Carbon oxides. Silicon oxides.

Possibility of hazardous reactions
Will not occur.

11. Toxicological Information

Acute effects
In high concentrations, vapors and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. Ingestion may cause irritation and malaise.

Sensitization
Not a skin sensitizer.

Chronic effects
Prolonged or repeated contact may dry skin and cause dermatitis. Organic solvents may be absorbed into the body by inhalation and cause permanent damage to the nervous system, including the brain.

Carcinogenicity
Potentially carcinogenic components are typically only present in trace amounts. Due to the form of the product, exposure to the potentially carcinogenic components is not expected.

ACGIH Carcinogens
Carbon black (CAS 1333-86-4) A4 Not classifiable as a human carcinogen.
Crystalline silica (CAS 14808-60-7) A2 Suspected human carcinogen.
Titanium dioxide (CAS 13463-67-7) A4 Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity
Carbon black (CAS 1333-86-4) 2B Possibly carcinogenic to humans.
Crystalline silica (CAS 14808-60-7) 1 Carcinogenic to humans.
Titanium dioxide (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

US NTP Report on Carcinogens: Known carcinogen
Crystalline silica (CAS 14808-60-7) Known carcinogen.
Further information
Components of the product may be absorbed into the body through the skin.

12. Ecological Information

Ecotoxicity
The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Environmental effects
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Persistence and degradability
No data is available on the degradability of this product.

Bioaccumulation / Accumulation
No data available.

Mobility in environmental media
The product is miscible with water. May spread in water systems.

Partition coefficient (n-octanol/water)
Not available.

13. Disposal Considerations

Waste codes
Not regulated.

Disposal instructions
Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

Waste from residues / unused products
Dispose in accordance with applicable federal, state, and local regulations.

Contaminated packaging
Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

DOT
Not regulated as dangerous goods.

IATA
Not regulated as dangerous goods.

IMDG
Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations
This product is hazardous according to OSHA 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)
None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - No
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance (40 CFR 355, Appendix A)
No

Section 311/312 (40 CFR 370)
No

Inventory status

Country(s) or region | Inventory name | On inventory (yes/no)*
--- | --- | ---
Australia | Australian Inventory of Chemical Substances (AICS) | No
Canada | Domestic Substances List (DSL) | No
Canada | Non-Domestic Substances List (NDSL) | No
<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>No</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>No</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>No</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>No</td>
</tr>
</tbody>
</table>

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations

**WARNING:** This product contains a chemical known to the State of California to cause cancer.

**US - California Hazardous Substances (Director's):** Listed substance
- Carbon black (CAS 1333-86-4) Listed.

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**
- Crystalline silica (CAS 14808-60-7) Listed: October 1, 1988 Carcinogenic.

**US - Massachusetts RTK - Substance: Listed substance**
- Carbon black (CAS 1333-86-4) Listed.
- Crystalline silica (CAS 14808-60-7) Listed.
- Titanium dioxide (CAS 13463-67-7) Listed.

**US - New Jersey RTK - Substances: Listed substance**
- Carbon black (CAS 1333-86-4) Listed.
- Crystalline silica (CAS 14808-60-7) Listed.
- Titanium dioxide (CAS 13463-67-7) Listed.

**US - Pennsylvania RTK - Hazardous Substances: Listed substance**
- Carbon black (CAS 1333-86-4) Listed.
- Crystalline silica (CAS 14808-60-7) Listed.
- Propylene glycol (CAS 57-55-6) Listed.
- Titanium dioxide (CAS 13463-67-7) Listed.

16. Other Information

**Further information**

HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings**

- Health: 1*
- Flammability: 1
- Physical hazard: 0

**NFPA ratings**

- Health: 1
- Flammability: 1
- Instability: 0

**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available. Additional information is given in the Material Safety Data Sheet.

**Issue date**

05-05-2011