

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** 1009 STYRO-COTE INTERIOR SEMI-GLOSS 111 PASTEL BASE  
**Version #** 01  
**Revision date** 12-28-2010  
**CAS #** Mixture  
**Product code** 1009-111  
**Product use** Paint.  
**Manufacturer/Supplier** Kelly-Moore Paint Co., Inc.  
987 Commercial St., San Carlos, CA 94070  
E-mail: rstetson@kellymoore.com  
Telephone number: 1-800-874-4436  
Contact Person: Robert Stetson  
**Emergency** 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

| Components       | CAS #      | Percent |
|------------------|------------|---------|
| Titanium dioxide | 13463-67-7 | <16     |
| Vinyl acetate    | 108-05-4   | <0.2    |

**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.  
**Inhalation** Move to fresh air. Oxygen or artificial respiration if needed. Get medical attention if any discomfort continues.

|                           |   |
|---------------------------|---|
| <b>Ingestion</b>          | Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable take to hospital along with these instructions.                         |
| <b>Notes to physician</b> | Treat symptomatically.  |
| <b>General advice</b>     | If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |

## 5. Fire Fighting Measures

|  |  |
|--|--|
| <b>Flammable properties</b>                                  | The product is not flammable.  |
| <b>Extinguishing media</b>                                   |  |
| <b>Suitable extinguishing media</b>                          | Extinguish with foam, carbon dioxide, dry powder or water fog.   |
| <b>Unsuitable extinguishing media</b>                        | Do not use water jet as an extinguisher, as this will spread the fire.   |
| <b>Protection of firefighters</b>                            |  |
| <b>Protective equipment and precautions for firefighters</b> | 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

|                                  |  |
|----------------------------------|--|
| <b>Personal precautions</b>      | Avoid inhalation of vapors and contact with skin and eyes. Wear appropriate personal protective equipment (See Section 8).   |
| <b>Environmental precautions</b> | Prevent further leakage or spillage if safe to do so. Do not contaminate water.  |
| <b>Methods for containment</b>   | Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basements or confined areas.   |
| <b>Methods for cleaning up</b>   | Should not be released into the environment.<br><br>Large Spills: Absorb in vermiculite, dry sand or earth and place into containers.<br><br>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.<br><br>Never return spills in original containers for re-use. For waste disposal, see section 13 of the MSDS. |

## 7. Handling and Storage

|                 |  |
|-----------------|--|
| <b>Handling</b> | 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. |
| <b>Storage</b>  | 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

#### US. ACGIH Threshold Limit Values

| Components               | Type | Value  |
|--------------------------|------|--------|
| Vinyl acetate (108-05-4) | STEL | 15 ppm |
|                          | TWA  | 10 ppm |

|                                      |   |
|--------------------------------------|---|
| <b>Engineering controls</b>          | Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.  |
| <b>Personal protective equipment</b> |   |
| <b>Eye / face protection</b>         | Wear approved safety goggles.   |
| <b>Skin protection</b>               | Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable.  |
| <b>Respiratory protection</b>        | 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**

|   |                                |
|---|--------------------------------|
| <b>Appearance</b>                                     | Milky white to colored liquid. |
| <b>Color</b>  | Various.                       |
| <b>Odor</b>   | Slightly ammoniacal.           |
| <b>Odor threshold</b>                                 | Not available.                 |
| <b>Physical state</b>                                 | Liquid.                        |
| <b>Form</b>   | Liquid.                        |
| <b>pH</b>   | Not available.                 |
| <b>Melting point</b>                                  | Not available.                 |
| <b>Freezing point</b>                                 | Not available.                 |
| <b>Boiling point</b>                                  | Not available.                 |
| <b>Flash point</b>                                    | Not available.                 |
| <b>Evaporation rate</b>                               | < 1 (n-BuAc=1)                 |
| <b>Flammability limits in air, upper, % by volume</b> | Not available.                 |
| <b>Flammability limits in air, lower, % by volume</b> | Not available.                 |
| <b>Vapor pressure</b>                                 | Not available.                 |
| <b>Vapor density</b>                                  | > 1 (Air=1)                    |
| <b>Specific gravity</b>                               | Not available.                 |
| <b>Solubility (water)</b>                             | Moderately soluble             |
| <b>Partition coefficient (n-octanol/water)</b>        | Not available.                 |
| <b>Auto-ignition temperature</b>                      | Not available.                 |
| <b>Decomposition temperature</b>                      | Not available.                 |

**10. Chemical Stability & Reactivity Information**

|   |   |
|---|---|
| <b>Chemical stability</b>                 | Material is stable under normal conditions. |
| <b>Conditions to avoid</b>                | Contact with incompatible materials.        |
| <b>Incompatible materials</b>             | Strong oxidizing agents. Strong acids.      |
| <b>Hazardous decomposition products</b>   | Carbon oxides. Silicon oxides.              |
| <b>Possibility of hazardous reactions</b> | 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.

**Local effects**

**US ACGIH Threshold Limit Values: Skin designation**

Dioxane (CAS 123-91-1)

Can be absorbed through the skin.

**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**

Dioxane (CAS 123-91-1)

A3 Confirmed animal carcinogen with unknown relevance to humans.

Ethylene dioxide (CAS 75-21-8)  
Quartz (CAS 14808-60-7)  
Titanium dioxide (CAS 13463-67-7)  
Vinyl acetate (CAS 108-05-4)

A2 Suspected human carcinogen.  
A2 Suspected human carcinogen.  
A4 Not classifiable as a human carcinogen.  
A3 Confirmed animal carcinogen with unknown relevance to humans.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Dioxane (CAS 123-91-1)  
Ethylene dioxide (CAS 75-21-8)  
Quartz (CAS 14808-60-7)  
Silicon dioxide (CAS 7631-86-9)  
Titanium dioxide (CAS 13463-67-7)  
Vinyl acetate (CAS 108-05-4)

2B Possibly carcinogenic to humans.  
1 Carcinogenic to humans.  
1 Carcinogenic to humans.  
3 Not classifiable as to carcinogenicity to humans.  
2B Possibly carcinogenic to humans.  
2B Possibly carcinogenic to humans.

#### US NTP Report on Carcinogens: Anticipated carcinogen

Dioxane (CAS 123-91-1)

Anticipated carcinogen.

#### US NTP Report on Carcinogens: Known carcinogen

Ethylene dioxide (CAS 75-21-8)  
Quartz (CAS 14808-60-7)

Known carcinogen.  
Known carcinogen.

#### US OSHA Specifically Regulated Substances: Cancer hazard

Ethylene dioxide (CAS 75-21-8)

Cancer hazard.

**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.

#### US RCRA Hazardous Waste U List: Reference

|                                |      |
|--------------------------------|------|
| Dioxane (CAS 123-91-1)         | U108 |
| Ethylene dioxide (CAS 75-21-8) | U115 |

**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.

**US EPCRA (SARA Title III) Section 302 - Extremely Hazardous Spill: Reportable quantity**

|                                |          |
|--------------------------------|----------|
| Ethylene dioxide (CAS 75-21-8) | 10 LBS   |
| Vinyl acetate (CAS 108-05-4)   | 5000 LBS |

**US EPCRA (SARA Title III) Section 302 - Extremely Hazardous Substance: Threshold Planning Quantity**

|                                |          |
|--------------------------------|----------|
| Ethylene dioxide (CAS 75-21-8) | 1000 LBS |
| Vinyl acetate (CAS 108-05-4)   | 1000 LBS |

**US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration**

|                                |       |
|--------------------------------|-------|
| Dioxane (CAS 123-91-1)         | 0.1 % |
| Ethylene dioxide (CAS 75-21-8) | 0.1 % |
| Vinyl acetate (CAS 108-05-4)   | 0.1 % |

**US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance**

|                                |         |
|--------------------------------|---------|
| Dioxane (CAS 123-91-1)         | Listed. |
| Ethylene dioxide (CAS 75-21-8) | Listed. |
| Vinyl acetate (CAS 108-05-4)   | Listed. |

**CERCLA (Superfund) reportable quantity (lbs)**

Vinyl acetate 5000

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

|                          |                        |
|--------------------------|------------------------|
| <b>Hazard categories</b> | Immediate Hazard - Yes |
|                          | Delayed Hazard - Yes   |
|                          | Fire Hazard - No       |
|                          | Pressure Hazard - No   |
|                          | Reactivity Hazard - No |

|  |    |
|--|----|
| <b>Section 302 extremely hazardous substance</b> | No |
|--|----|

|                                       |    |
|---------------------------------------|----|
| <b>Section 311 hazardous chemical</b> | 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                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | No                     |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | No                     |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |
| Korea                       | Existing Chemicals List (ECL)  | No                     |
| New Zealand                 | New Zealand Inventory  | No                     |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | No                     |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | No                     |

\*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 chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**US - California Hazardous Substances (Director's): Listed substance**

|                                 |         |
|---------------------------------|---------|
| Dioxane (CAS 123-91-1)          | Listed. |
| Ethylene dioxide (CAS 75-21-8)  | Listed. |
| Silicon dioxide (CAS 7631-86-9) | Listed. |
| Vinyl acetate (CAS 108-05-4)    | Listed. |

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

|                                |                                       |
|--------------------------------|---------------------------------------|
| Acetaldehyde (CAS 75-07-0)     | Listed: April 1, 1988 Carcinogenic.   |
| Dioxane (CAS 123-91-1)         | Listed: January 1, 1988 Carcinogenic. |
| Ethylene dioxide (CAS 75-21-8) | Listed: July 1, 1987 Carcinogenic.    |
| Quartz (CAS 14808-60-7)        | Listed: October 1, 1988 Carcinogenic. |

**US - California Proposition 65 - CRT: Listed date/Developmental toxin**

|                                |   |
|--------------------------------|---|
| Ethylene dioxide (CAS 75-21-8) | Listed: August 7, 2009 Developmental toxin. |
|--------------------------------|---|

**US - California Proposition 65 - CRT: Listed date/Female reproductive toxin**

|                                |  |
|--------------------------------|--|
| Ethylene dioxide (CAS 75-21-8) | Listed: February 27, 1987 Female reproductive toxin. |
|--------------------------------|--|

**US - California Proposition 65 - CRT: Listed date/Male reproductive toxin**

Ethylene dioxide (CAS 75-21-8) Listed: August 7, 2009 Male reproductive toxin.

**US - Massachusetts RTK - Substance: Listed substance**

Dioxane (CAS 123-91-1) Listed.  
 Ethylene dioxide (CAS 75-21-8) Listed.  
 Quartz (CAS 14808-60-7) Listed.  
 Silicon dioxide (CAS 7631-86-9) Listed.  
 Titanium dioxide (CAS 13463-67-7) Listed.  
 Vinyl acetate (CAS 108-05-4) Listed.

**US - New Jersey Community RTK (EHS Survey): Reportable threshold**

Dioxane (CAS 123-91-1) 500 LBS  
 Ethylene dioxide (CAS 75-21-8) 500 LBS  
 Vinyl acetate (CAS 108-05-4) 500 LBS

**US - New Jersey RTK - Substances: Listed substance**

Dioxane (CAS 123-91-1) Listed.  
 Ethylene dioxide (CAS 75-21-8) Listed.  
 Quartz (CAS 14808-60-7) Listed.  
 Silicon dioxide (CAS 7631-86-9) Listed.  
 Titanium dioxide (CAS 13463-67-7) Listed.  
 Vinyl acetate (CAS 108-05-4) Listed.

**US - Pennsylvania RTK - Hazardous Substances: Listed substance**

Dioxane (CAS 123-91-1) Listed.  
 Ethylene dioxide (CAS 75-21-8) Listed.  
 Propylene glycol (CAS 57-55-6) Listed.  
 Quartz (CAS 14808-60-7) Listed.  
 Silicon dioxide (CAS 7631-86-9) Listed.  
 Titanium dioxide (CAS 13463-67-7) Listed.  
 Vinyl acetate (CAS 108-05-4) Listed.

**US - Pennsylvania RTK - Hazardous Substances: Special hazard**

Dioxane (CAS 123-91-1) Special hazard.  
 Ethylene dioxide (CAS 75-21-8) Special hazard.

**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: 0  
 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**

12-28-2010