

# SAFETY DATA SHEET

## KM-15 004 SAFETY RED

Page 1 – 8/29/2016

### 1. Product and Company Information

**Product Name:** KM-15 PART A BASE 004 SAFETY RED  
**Company Name:** Kelly Moore Paints  
987 Commercial Street  
San Carlos, CA 94070  
Emergencies Involving Spills, Leaks  
Fires, Exposures, or Accidents  
**Emergency Contact:** CHEMTREC: (800) 424-9300

**Phone Number:**  
1-888-677-2468

### 2. Hazards Identification

**Target Organ Systemic Toxicity (repeated exposure), Category 2**

**Skin Sensitization, Category 1**

**Serious Eye Damage/Eye Irritation, Category 2A**

**Flammable Liquids, Category 3**

**Acute Toxicity: Skin, Category 4**

**Acute Toxicity: Inhalation, Category 4**

**Skin Corrosion/Irritation, Category 3**

**Aquatic Toxicity (Acute), Category 1**



**GHS Signal Word:**

**Danger**

**GHS Hazard Phrases:**

H373 - May cause damage to organs through prolonged or repeated exposure.  
H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H411 - Toxic to aquatic life with long lasting effects.  
H226 - Flammable liquid and vapor.  
H332 - Harmful if inhaled.

**GHS Precaution Phrases:**

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P241 - Use explosion-proof electrical/ventilating/lighting/ equipment.  
P271 - Use only outdoors or in a well-ventilated area.

**GHS Response Phrases:**

P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
P332+313 - If skin irritation occurs, get medical advice/attention.  
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+313 - If eye irritation persists, get medical advice/attention.  
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical aid.  
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention.  
P370+378 - In case of fire, use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.  
P501 - Contact a licensed professional waste disposal service to dispose of this material.  
P403+235 - Store in cool/well-ventilated place. Store locked up.

**GHS Storage and Disposal Phrases:**

**Potential Health Effects (Acute and Chronic):**

**Inhalation:**

Chronic inhalation may cause effects similar to those of acute inhalation. May be harmful if inhaled. Causes respiratory tract irritation. Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. Vapors may cause dizziness or suffocation.

**Skin Contact:**

May be harmful if absorbed through the skin. Causes skin irritation. Prolonged and/or repeated contact may cause irritation and/or dermatitis. Causes redness and pain.

**Eye Contact:**

Causes severe eye irritation. Causes redness and pain.

**Ingestion:**

May be harmful if swallowed. May be harmful if inhaled. Causes respiratory tract irritation. May cause irritation of the digestive tract. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal.

## KM-15 004 SAFETY RED/PAGE 2

### 3. Composition/Information on Ingredients

| <u>CAS #</u> | <u>Hazardous Components (Chemical Name)</u> | <u>Concentration</u> |
|--------------|---|----------------------|
| 14808-60-7   | Silicon Dioxide                             | 40.0 - 50.0 %        |
| 25068-38-6   | Epoxy Resin                                 | 20.0 - 30.0 %        |
| 1330-20-7    | Xylene (mixed isomers)                      | 10.0 - 20.0 %        |
| 13463-67-7   | Titanium Dioxide                            | 5.0 - 15.0 %         |
| 2786-76-7    | Red Pigment                                 | 1.0 - 10.0 %         |
| 84852-15-3   | Phenol, 4-Nonyl, branched                   | 1.0 - 5.0 %          |
| 100-41-4     | Ethylbenzene                                | 0.1 - 3.0 %          |
| 108-65-6     | Propylene glycol methyl ether acetate       | 1.0 - 2.0 %          |

### 4. First Aid Measures

#### **Emergency and First Aid Procedures**

##### **In Case of Inhalation:**

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Remove from exposure and move to fresh air immediately. Get medical aid.

##### **In Case of Skin Contact:**

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. If skin irritation occurs, get medical advice/attention.

##### **In Case of Eye Contact:**

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

##### **In Case of Ingestion:**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Do NOT induce vomiting. Get medical aid.

##### **Signs and Symptoms of Exposure:**

Central nervous system depression. Dermatitis. Abdominal pain, Nausea. Vomiting, Anorexia. Shortness of breath.

##### **Note to Physician:**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. Treat symptomatically and supportively.

### 5. Fire Fighting Measures

##### **Suitable Extinguishing Media:**

Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

##### **Fire Fighting Instructions:**

Use water spray to cool unopened containers. Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Flammable Liquid. Emits toxic fumes under fire conditions. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Flammable liquid and vapor. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas.

##### **Flammable Properties and Hazards:**

Vapor may travel considerable distance to source of ignition and flash back. Container explosion may occur under fire conditions. Forms explosive mixtures in air.

### 6. Accidental Release Measures

##### **Steps To Be Taken In Case Material is Released Or Spilled:**

Personal precautions.  
Use personal protective equipment.  
Spills/Leaks: Control runoff and isolate discharged material for proper disposal. Use water spray to cool and disperse vapors and protect personnel.

### 7. Handling and Storage

##### **Precautions To Be Taken In Handling:**

Avoid contact with skin and eyes. Normal measures for preventive fire protection.  
Avoid inhalation of vapor or mist.  
Keep away from sources of ignition - No smoking. Take measures to prevent the build-up of electrostatic electrostatic charge.

##### **Precautions to be Taken In Storing:**

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

## KM-15 004 SAFETY RED/PAGE 3

### 8. Exposure Controls/Personal Protection

| CAS #      | Partial Chemical Name                 | OSHA TWA                 | ACGIH TWA                     |
|------------|---------------------------------------|--------------------------|-------------------------------|
| 14808-60-7 | Silicon Dioxide                       | PEL: 8825 ppm /(%SiO2+5) | TLV: 0.05 MG/M3 (R)           |
| 25068-38-6 | Epoxy Resin                           | N/E                      | N/E                           |
| 1330-20-7  | Xylene (mixed isomers)                | PEL: 100 ppm             | TLV: 100 ppm<br>STEL:150 ppm  |
| 13463-67-7 | Titanium Dioxide                      | PEL: 15 (dust) mg/m3     | TLV: 10 mg/m3                 |
| 84852-15-3 | Phenol, 4-Nonyl-, branched            | N/E                      | N/E                           |
| 100-41-4   | Ethylbenzene                          | PEL: 100 ppm             | TLV: 100 ppm<br>STEL: 125 ppm |
| 108-65-6   | Propylene Glycol Methyl Ether Acetate | N/E                      | N/E                           |
| 2786-76-7  | Red Pigment                           | N/E                      | N/E                           |

#### **Respiratory Equipment:**

For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) (Specify Type): respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a back-up to engineering controls.

#### **Eye Protection:**

Safety glasses with side shield. For a higher degree of protection, wear chemical splash goggles.

#### **Protective Gloves:**

Wear appropriate protective gloves to prevent skin exposure, such as butyl rubber or nitrile rubber.

#### **Other Protective Clothing:**

Wear appropriate protective clothing to prevent skin exposure.

#### **Engineering Controls**

#### **(Ventilation, etc.):**

Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

#### **Work/Hygienic/**

#### **Maintenance Practices:**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Wash thoroughly after handling. Wash contaminated clothing before reuse.

### 9. Physical and Chemical Properties

|                                |                   |              |           |
|--------------------------------|-------------------|--------------|-----------|
| <b>Physical States:</b>        | [ ] Gas           | [ X ] Liquid | [ ] Solid |
| <b>Flash Point:</b>            | 80°F              |              |           |
| <b>Boiling Point:</b>          | 280°F             |              |           |
| <b>Explosive Limits:</b>       | LEL: 1.0          | UEL: 7.1     |           |
| <b>Weight Per Gallon:</b>      | 12.0 +/- .3       |              |           |
| <b>Vapor Pressure (mm Hg):</b> | 5.1 @ 68°F        |              |           |
| <b>Vapor Density:</b>          | Heavier than Air  |              |           |
| <b>Evaporation Rate:</b>       | Slower than Ether |              |           |
| <b>Percent Volatile:</b>       | 22 (Vol)          |              |           |

### 10. Stability and Reactivity

|   |  |                      |
|---|--|----------------------|
| <b>Stability:</b>                                 | Unstable [ ]                               | Stable [ X ]         |
| <b>Conditions to Avoid-Instability:</b>           | Heat, flames and sparks. Ignition sources. |                      |
| <b>Incompatibility – Materials To Avoid:</b>      | Strong oxidizing agents, acids             |                      |
| <b>Hazardous Decomposition Or Byproducts:</b>     | Nature of decomposition products unknown.  |                      |
| <b>Possibility of Hazardous Reactions:</b>        | Will occur [ ]                             | Will not occur [ X ] |
| <b>Conditions To Avoid – Hazardous Reactions:</b> | No data available.                         |                      |

### 11. Toxicological Information

#### **Toxicological Information:**

Germ cell mutagenicity. Reproductive toxicity - no data available. Aspiration hazard. Inhalation: May cause damage to organs through prolonged or repeated exposure. Epidemiology: Teratogenicity: No information available.

#### **Carcinogenicity/Other Information:**

These products contain more than 0.1% crystalline silica (CAS #14808-60-7) which has been classified by IARC a Class 1 carcinogen. Normal application procedures pose no hazard since the silica is set and encapsulated, but grinding or sanding dried films may yield respirable silica dusts. Control exposures to less

## KM-15 004 SAFETY RED/PAGE 4

than 0.1 mg per cubic meter of air using approved dust filter respirators. Skin contact: Prolonged or repeated contact with product may cause slight skin irritation. Impervious gloves should be worn if prolonged skin contact is likely.

### ACGIH Carcinogens

Quartz (CAS 14808-60-7)

A2 Suspected human carcinogen

### IARC Monographs, Overall Evaluation of Carcinogenicity

Quartz (CAS 14808-60-7)

1 Carcinogenic to humans

1 Carcinogenic to humans

### US NTP Report on Carcinogens: Known Carcinogen

Quartz (CAS 14808-60-7)

Known to be human carcinogen

OSHA PEL: Exposure to airborne crystalline silica shall not exceed an 8 hour time weighted average limit as stated in 29CFR 1910.1000, Table-Z-1-A Air contaminants, specifically: Silica, Crystalline Quartz (Respirable) 0.1 MG/M3. ACGIH TLV-TWA: 01 MG/M3. NIOSH Maximum permissible conc. 0.05 MG/M3, 10 hour workday, 40 hour week. This product contains the following substances known to the State of California to cause cancer, birth defects, or other reproductive hazards: Benzene, Toluene, Crystalline Silica.

## 12. Ecological Information

**General Ecological Information:** No data available  
**Persistence and Degradability:** No data available  
**Bioaccumulative Potential:** No data available  
**Mobility in Soil:** No data available

## 13. Disposal Considerations

### Waste Disposal Method:

Dispose of as unused product. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

## 14. Transport Information

### LAND TRANSPORT (US DOT): DOT Proper Shipping Name:

Consumer commodity – ORM-D – Used for 1 gallon containers when shipped in the United States of America  
UN1263, Paint Related Material, 3, PG III – 5 Gallon pails



### Marine Transport IMDG Shipping:

UN1263, Paint Related Material, 3, PG III  
The marine pollutant mark is not required when transported in sizes of <5 L or <5 kg (per container)



### AIR TRANSPORT (ICAO/IATA): IATA Shipping Name:

UN1263, Paint Related Material, 3, PG III



## KM-15 004 SAFETY RED/PAGE 5

### 15. Regulatory Information

#### EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

| <u>CAS #</u> | <u>Hazardous Components (Chemical Name)</u> | <u>S. 302 (EHS)</u> | <u>S. 304 RQ</u> | <u>S. 313 (TRI)</u> |
|--------------|---|---------------------|------------------|---------------------|
| 14808-60-7   | Silicon Dioxide                             | No                  | No               | No                  |
| 25068-38-6   | Epoxy Resin                                 | No                  | No               | No                  |
| 1330-20-7    | Xylene (mixed isomers)                      | No                  | Yes 100 LB       | Yes                 |
| 13463-67-7   | Titanium dioxide                            | No                  | No               | No                  |
| 84852-15-3   | Phenol, 4-Nonyl-, branched                  | No                  | No               | No                  |
| 100-41-4     | Ethylbenzene                                | No                  | Yes 1000 LB      | Yes                 |
| 108-65-6     | Propylene glycol methyl ether acetate       | No                  | No               | No                  |
| 2786-76-7    | Red Pigment                                 | No                  | No               | No                  |

### 16. Other Information

Revision Date: 8/29/2016

#### Additional Information About This Product:

Hazardous Material Information System III (U.S.A)

Health: 2\*  
Flammability: 3  
Reactivity: 0  
Personal Protection: \*

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by Kelly Moore Paint Co. and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.