SAFETY DATA SHEET
KM 100-21 ALUMINUM MOISTURE CURED URETHANE

1. Product and Company Information

**Product Name:** KM-100 ALUMINUM
**Company Name:** Kelly Moore Paints
**Phone Number:** 1-888-677-2468
987 Commercial Street
San Carlos, CA 94070

Emergencies Involving Spills, Leaks
Fires, Exposures, or Accidents

**Emergency Contact:** CHEMTREC: (800) 424-9300

2. Hazards Identification

**GHS Classification:**
- Skin irritation, Category 2
- Eye irritation, Category 2A
- Aspiration Hazard, Category 1
- Flammable Liquids, Category 3
- Skin Sensitization, Category 1
- Respiratory Sensitization, Category 1
- Germ Cell Mutagenicity, Category 1B
- Carcinogenicity, Category 1B
- Specific Target Organ Toxicity - Single Exposure, Category 3, Respiratory Tract Irritation
- Specific Target Organ Toxicity - Repeated Exposure, Category 2
- Acute Toxicity (Inhalation), Category 4

**GHS Signal Word:** Danger

**GHS Hazard Phrases:**
- H226 – Flammable Liquid and vapor
- H315 – Causes Skin Irrigation
- H319 – Causes serious eye irritation
- H317 – May cause an allergic skin reaction
- H334 – May cause allergy or asthma symptoms or difficulties breathing if inhaled
- H340 – May cause genetic defects
- H350 – May cause cancer
- H335 – May cause respiratory irritation
- H373 – May cause damage to organs (respirator system, hearing) through prolonged or repeated exposure
- H332 – Harmful if inhaled
- H304 – May be fatal if swallowed and enters airways

**GHS Precaution Phrases:**
- P264 - Wash hands thoroughly after handling.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P272 - Contaminated work clothing should not be allowed out of the workplace.
- P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
- P271 - Use only outdoors or in a well-ventilated area.
- P201 - Obtain special instructions before use.
- P202 - Do not handle until all safety precautions have been read and understood.
- P281 - Use personal protective equipment as required.

**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.
- P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention.
GHS Storage and Disposal Phrases:
P370+378 - In case of fire, use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.
P403+233 - Store in cool/ well-ventilated place. Store locked up. Contact a licensed professional waste disposal service to dispose of this material.

Potential Health Effects (Acute and Chronic):
Inhalation:
Chronic inhalation may cause effects similar to those of acute inhalation. May be harmful if inhaled. May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated. 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. May cause skin irritation. Prolonged and/or repeated contact may cause irritation and/or dermatitis. Causes redness and pain.

Eye Contact:
Causes eye irritation. Dust may cause mechanical irritation. Causes redness and pain.

Ingestion:
May be harmful if swallowed. May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated. 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.

3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Hazardous Components (Chemical Name)</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary</td>
<td>Aromatic MDI Resin</td>
<td>40.0 - 55.0%</td>
</tr>
<tr>
<td>64742-95-6</td>
<td>Aromatic Solvent</td>
<td>25.0 - 35.0%</td>
</tr>
<tr>
<td>7429-90-5</td>
<td>Aluminum</td>
<td>20.0 - 25.0%</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>Xylene (mixed isomers)</td>
<td>2.0 – 5.0%</td>
</tr>
<tr>
<td>100-41-4</td>
<td>Ethylbenzene</td>
<td>0.01 – 1.0%</td>
</tr>
</tbody>
</table>

4. First Aid Measures

Emergency and First Aid Procedures:
In Case of Inhalation:
If breathed in, move person into fresh air. If breathing is difficult, give oxygen. Get medical aid.

In Case of Skin Contact:
Wash off with soap and plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

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. Consult a physician.

Signs and Symptoms of Exposure:
Cough, Shortness of breath, Headache, Nausea, Vomiting, Pulmonary edema. Effects may be delayed.

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 large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantizes 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. This liquid floats on water and may travel to a source of ignition and spread fire. May accumulate static electricity.

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.
- Avoid generating dusty conditions. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place insuitable container. Remove all sources of ignition. Control runoff and isolate discharged material for proper disposal. Use water spray to cool and disperse vapors and protect personnel.

Precautions To Be Taken in Handling:

- Avoid contact with skin and eyes. Normal measures for preventive fire protection. Avoid inhalation of vapor or mist.

Precautions To Be Taken in Storing:

- Keep away from sources of ignition - No smoking. Take measures to prevent the build-up of electrostatic charge.
- Containers which are opened must be carefully resealed and kept upright to prevent leakage. Suitable: Keep away from heat, sparks, and open flame.

8. Exposure Controls/Personal Protection

Only those substances with limited values have been included below:

### OCCUPATIONAL EXPOSURE LIMIT VALUES

<table>
<thead>
<tr>
<th>Country (Legal Basis)</th>
<th>Substance</th>
<th>Identifier</th>
<th>Permissible concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NIOSH</strong></td>
<td>Aromatic MDI Resin</td>
<td>Proprietary</td>
<td>REL-TWA: 0.05 mg/m³ (10-hour)</td>
</tr>
<tr>
<td></td>
<td>Aromatic MDI Resin</td>
<td>Proprietary</td>
<td>Ceiling Limit: 0.2 mg/m³ (10-min)</td>
</tr>
<tr>
<td></td>
<td>Aromatic MDI Resin</td>
<td>Proprietary</td>
<td>Ceiling Limit: 0.02 ppm (10-min)</td>
</tr>
<tr>
<td></td>
<td>Aromatic MDI Resin</td>
<td>Proprietary</td>
<td>REL-TWA: 0.005 ppm (10-hour)</td>
</tr>
<tr>
<td>Aluminum</td>
<td>7429-90-5</td>
<td>REL-TWA: 10 mg/m³ (Total dust - up to 10 hrs.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Xylene (mixed isomers)</td>
<td>1330-20-7</td>
<td>REL-TWA: 435 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Xylene (mixed isomers)</td>
<td>1330-20-7</td>
<td>REL-TWA: 100 ppm</td>
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<tr>
<td></td>
<td>Xylene (mixed isomers)</td>
<td>1330-20-7</td>
<td>STEL: 655 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Xylene (mixed isomers)</td>
<td>1330-20-7</td>
<td>STEL: 150 ppm</td>
</tr>
<tr>
<td></td>
<td>Ethyl Benzene</td>
<td>100-41-4</td>
<td>REL-TWA: 435 mg/m³ (100 ppm [10-hr])</td>
</tr>
<tr>
<td></td>
<td>Ethyl Benzene</td>
<td>100-41-4</td>
<td>STEL: 545 mg/m³ (125 ppm)</td>
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<tr>
<td></td>
<td>Ethyl Benzene</td>
<td>100-41-4</td>
<td>IDLH: 800 ppm</td>
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<tr>
<td><strong>OSHA</strong></td>
<td>Aromatic MDI Resin</td>
<td>Proprietary</td>
<td>PEL Ceiling: 0.2 mg/m³</td>
</tr>
<tr>
<td>Aluminum</td>
<td>7429-90-5</td>
<td>8-Hour TWA-PEL: 15 mg/m³ (Total dust)</td>
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<tr>
<td></td>
<td>7429-90-5</td>
<td>8-Hour TWA-PEL: 5 mg/m³ (Respirable fraction)</td>
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<tr>
<td></td>
<td>Xylene (mixed isomers)</td>
<td>1330-20-7</td>
<td>8-Hour TWA-PEL: 435 mg/m³</td>
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<td>Xylene (mixed isomers)</td>
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<td>8-Hour TWA-PEL: 100 ppm</td>
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<td>Xylene (mixed isomers)</td>
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<td>STEL: 150 ppm</td>
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<td>Xylene (mixed isomers)</td>
<td>1330-20-7</td>
<td>STEL: 655 mg/m³</td>
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<td></td>
<td>Ethyl Benzene</td>
<td>100-41-4</td>
<td>8-Hour TWA-PEL: 435 mg/m³ (100 ppm)</td>
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ACGIH

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
<th>Exposure Limit</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>Aromatic MDI Resin</td>
<td>Proprietary</td>
<td>8-Hour TWA: 0.005 ppm</td>
<td></td>
</tr>
<tr>
<td>Aluminum</td>
<td>7429-90-5</td>
<td>8-Hour TWA: 1 mg/m³ (Respirable particulate matter)</td>
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<tr>
<td>Xylene (mixed isomers)</td>
<td>1330-20-7</td>
<td>TWA: 100 ppm</td>
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</tr>
<tr>
<td>Xylene (mixed isomers)</td>
<td>1330-20-7</td>
<td>STEL: 150 ppm</td>
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<tr>
<td>Ethyl Benzene</td>
<td>100-41-4</td>
<td>8-Hour TWA: 20 ppm</td>
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</table>

United States (California)

<table>
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<td>Proprietary</td>
<td>8-Hour TWA-PEL: 0.005 ppm</td>
<td></td>
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<tr>
<td>Xylene (mixed isomers)</td>
<td>1330-20-7</td>
<td>8-Hour TWA-PEL: 100 ppm</td>
<td></td>
</tr>
<tr>
<td>Xylene (mixed isomers)</td>
<td>1330-20-7</td>
<td>PEL-STEL: 150 ppm (15-minute)</td>
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</tr>
<tr>
<td>Xylene (mixed isomers)</td>
<td>1330-20-7</td>
<td>PEL Ceiling: 300 ppm</td>
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<tr>
<td>Ethyl Benzene</td>
<td>100-41-4</td>
<td>8-Hour TWA-PEL: 425 mg/m³ (100 ppm)</td>
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<tr>
<td>Ethyl Benzene</td>
<td>100-41-4</td>
<td>15-Minute STEL: 545 mg/m³ (125 ppm)</td>
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</table>

Respiratory Equipment (Specify Type):

For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) 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 backup 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 a safety shower. Use adequate ventilation to keep airborne concentrations low. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

9. Physical and Chemical Properties

Physical States: [ ] Gas [ X ] Liquid

Appearance and Odor: Aluminum Color. Aromatic Odor.

Boiling Point: 275°F

Flash Point: 81°F

Explosive Limits: LEL: 1.0 UEL: 7.1

Weight Per Gallon: 7.1 +/- .3

Vapor Pressure (mm Hg): 5.1 @ 68°F

Vapor Density: Heavier than Air

Evaporation Rate: Slower than Ether

Percent Volatile: 46 (Vol.)

10. Stability and Reactivity

Stability: Unstable [ ] Stable [ X ]

Conditions to Avoid:

Heat, flames and sparks.

Instability:

Amines, Strong bases, Alcohols, Strong oxidizing agents

Incompatibility – Materials To Avoid:

Formed under fire conditions. Carbon oxides, nitrogen oxides (NOx), aluminum oxide, carbon monoxide.

Possibility of Hazardous Reactions:

Will occur [ ] Will Not Occur [ X ]
11. Toxicological Information

Toxicological Information:
- Epidemiology: No information found.

Irritation or Corrosion:
- Serious eye damage/eye irritation.

Carcinogenicity/Other Information:
- Carcinogenicity.
- IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. IARC: Group 3: Not classifiable as to its carcinogenicity to humans. This product contains the following substances known to the State of California to cause cancer, birth defects, or other reproductive hazards: Ethyl Benzene.

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:
- Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

14. Transport Information

LAND TRANSPORT (US DOT):
- Limited Quantity – Used for 1 gallon and quart containers when shipped in the United States of America
- DOT Proper Shipping Name: UN1263, Paint Related Material, 3, PG III – 5 Gallon pails

Marine Transport
- IMDG Shipping: UN1263, Paint Related Material, 3, PG III

AIR TRANSPORT (ICAO/IATA)
- IATA Shipping Name: UN1263, Paint Related Material, 3, PG III
15. Regulatory Information

United States regulations:

Inventory listing (TSCA): All ingredients are listed or exempt.

Significant New Use Rule (TSCA Section 5): None of the ingredients are listed.

Export notification under TSCA Section 12(b): None of the ingredients are listed.

SARA Section 302 extremely hazardous substances: None of the ingredients are listed.

**SARA SECTION 313 TOXIC CHEMICALS:**

<table>
<thead>
<tr>
<th>Proprietary</th>
<th>Aromatic MDI Resin</th>
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<tbody>
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<td>Aluminum</td>
<td>Listed</td>
</tr>
<tr>
<td>1330-20-7</td>
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</tr>
<tr>
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<td>Ethyl Benzene</td>
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**CERCLA:**

<table>
<thead>
<tr>
<th>Proprietary</th>
<th>Aromatic MDI Resin</th>
<th>Listed</th>
<th>5000 Lbs</th>
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<tbody>
<tr>
<td>1330-20-7</td>
<td>Xylene (mixed isomers)</td>
<td>Listed</td>
<td>100 lb</td>
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<tr>
<td>100-41-4</td>
<td>Ethyl Benzene</td>
<td>Listed</td>
<td>1000</td>
</tr>
</tbody>
</table>

**RCRA:**

| 1330-20-7   | Xylene (mixed isomers)  | Listed | U239   |
| 100-41-4    | Ethyl Benzene           | Listed | F003   |

**SECTION 112(R) OF THE CLEAN AIR ACT (CAA):** None of the ingredients are listed.

**MASSACHUSETTS RIGHT TO KNOW:**

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**NEW JERSEY RIGHT TO KNOW:**

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**NEW YORK RIGHT TO KNOW:**

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**PENNSYLVANIA RIGHT TO KNOW:**

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**CALIFORNIA PROPOSITION 65:**

⚠️ **WARNING:** This product can expose you to Ethyl Benzene; which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**VOC:** 446 GMS/L
6. Other Information

Revision Date: 2/8/2023
Additional Information About this Product:

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

**NFPA:** 2-3-0
**HMIS:** 2*-3-0

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.