



**SECTION 1 PRODUCT NAME AND COMPANY IDENTIFICATION**

**Product Name:** KM Acryl 15 - 100% Acrylic 53% Solids Elastomeric Roof Coating (FR)

**Recommended Use:** Roof Coating

**Restriction on Use:** None

**Manufacturer:**

KM Coatings Mfg.  
5301 W. Mohave Street  
Phoenix, AZ 85043  
(602)-253-1168

SDS Date of Preparation: 11/3/17

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

**SECTION 2: HAZARDS IDENTIFICATION**

**Hazard Classification:**

Physical	Health
Not Hazardous	Not Hazardous

Label Elements:

Not Hazardous in accordance with the Globally Harmonized System for the Classification and Labeling of Chemicals (GHS)

**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**

INGREDIENTS	CAS#.	WT.%
Aluminum Trihydrate	21645-51-2	0-10
Calcium Carbonate	1317-65-3	1-10
Titanium Dioxide	13463-67-7	1-10
Zinc Oxide	1314-13-2	1-5
Crystalline Silica, Quartz	14808-60-7	0.1-1

**Note:** The crystalline silica and titanium dioxide in this product are inextricably bound so no exposure will occur and the carcinogen classification does not apply for these chemicals.

The exact percentage (concentration) of composition has been withheld as a trade secret.

**SECTION 4 FIRST AID MEASURERS**

**Eyes:** Flush eyes with water while lifting the upper and lower lids. Get medical attention if irritation persists.

**Skin:** Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation develops, get medical attention. Launder clothing before re-use.



**Inhalation:** If symptoms develop, move to fresh air. If symptoms persist, get medical attention.

**Ingestion:** If conscious, rinse mouth with water. Never give anything by mouth to a person who is unconscious or convulsing. If large amount is swallowed or gastrointestinal effects develop, get medical attention.

**Most important symptoms/effects, acute and delayed:** May cause eye irritation. Prolonged skin contact may cause irritation or drying of the skin. Mists may cause mucous membrane and upper respiratory tract irritation.

**Indication of immediate medical attention and special treatment, if necessary:** Immediate medical attention is not normally required.

**SECTION 5 FIRE FIGHTING MEASURES**

**Extinguishing Media:** Use any media appropriate for the surrounding fire. Cool fire exposed containers with water.  
**Special Protective Equipment and Precautions for Fire-fighters:** Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Do not allow run-off from firefighting to enter drains or water courses.  
**Specific Hazards Arising from the Chemical:** This product is an aqueous mixture that will not burn until all water has evaporated. Residue will burn after the fire has evaporated. Combustion products may include oxides of carbon and zinc.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment, and Emergency Procedures:** Wear appropriate protective clothing to avoid eye and skin contact.  
**Environmental precautions:** Prevent runoff to storm sewers and ditches leading to natural waterways. Report releases as required by local, state and federal authorities.  
**Methods and Materials for Containment and Cleaning Up:** Dike the spilled material. Attempt to reclaim the free product, if this is possible. Place in an appropriate container for use or disposal. Collect residue with inert material and place into a closable container for disposal. Wash spill area.

**SECTION 7 HANDLING and STORAGE**

**Precautions for Safe Handling:** Avoid contact with the eyes. Avoid prolonged contact with skin and clothing. Avoid breathing vapors and mists. Wear protective clothing and equipment as described in Section 8. Use with adequate ventilation. Wash thoroughly with soap and water after handling.  
Empty containers retain product residues can be hazardous. Follow all SDS precautions when handling empty containers.  
**Conditions for Safe Storage, Including any Incompatibilities:** Store in a dry, well ventilated area. Protect from physical damage. Keep container closed when not in use.

**SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION**

**Exposure Guidelines:**

INGREDIENTS	EXPOSURE LIMITS
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Aluminum Trihydrate	5 mg/m <sup>3</sup> TWA OSHA PEL (respirable dust) 15 mg/m <sup>3</sup> TWA OSHA PEL (total dust) 1 mg/m <sup>3</sup> TWA ACGIH TLV (respirable dust)
Calcium Carbonate	5 mg/m <sup>3</sup> TWA OSHA PEL (respirable fraction) 15 mg/m <sup>3</sup> TWA OSHA PEL (total dust)
Titanium Dioxide	15 mg/m <sup>3</sup> TWA OSHA PEL (total dust) 10 mg/m <sup>3</sup> TWA ACGIH TLV
Zinc Oxide	5 mg/m <sup>3</sup> TWA OSHA PEL (respirable fraction) 15 mg/m <sup>3</sup> TWA OSHA PEL (total dust) 2 mg/m <sup>3</sup> TWA ACGIH TLV, 10 mg/m <sup>3</sup> STEL (respirable)
Crystalline Silica, Quartz	0.05 mg/m <sup>3</sup> TWA OSHA PEL (respirable dust) 0.025 mg/m <sup>3</sup> TWA ACGIH TLV (respirable fraction)

**Appropriate Engineering Controls:** Use with adequate general or local exhaust ventilation to maintain exposures below the occupational exposure limits.

**Respiratory Protection:** If the exposure limits are exceeded a NIOSH approved respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

**Gloves:** Rubber or other impervious gloves are recommended to prevent prolonged skin contact.

**Eye Protection:** Chemical safety goggles should be worn if splashing is possible.

**Other Protective Equipment:** Impervious clothing as needed to prevent contact.

**SECTION 9 PHYSICAL and CHEMICAL PROPERTIES**

**Appearance And Odor:** White liquid with a paint-like odor.

<b>Boiling Point (@ 760 mmHg):</b> 212°F (100°C)	<b>Freezing Point:</b> Not available
<b>Odor Threshold:</b> Not determined	<b>Viscosity:</b> Not determined
<b>Relative density (H<sub>2</sub>O=1):</b> Not determined	<b>Vapor Pressure:</b> 760 mmHg @ 212 F
<b>VOC:</b> <50 g/L (<0.42 lbs./gal)	<b>Vapor Density (AIR=1):</b> >1
<b>Evaporation Rate:</b> Not available	<b>Solubility In Water:</b> Dispersible
<b>pH:</b> Not available	<b>Partition Coefficient n-Octanol/Water:</b> Not determined
<b>Flash Point:</b> >212°F (>100°C) Setaflash	<b>Autoignition Temperature:</b> Not applicable
<b>Decomposition Temperature:</b> Not determined	<b>Flammability (solid, gas):</b> Not applicable
<b>Flammable Limits: (vol % in air)</b>	<b>LEL – Not applicable      UEL – Not applicable</b>

**SECTION 10 STABILITY and REACTIVITY**

**Reactivity:** Not normally reactive.

**Chemical Stability:** Stable under normal storage and handling conditions

**Possibility of Hazardous Reactions:** None known

**Conditions to avoid:** None known.

**Incompatible materials:** Avoid oxidizing agents and acids

**Hazardous decomposition products:** Thermal decomposition may yield oxides of carbon and zinc.

**SECTION 11 TOXICOLOGICAL INFORMATION**

**Eye:** Contact may cause irritation with redness and tearing.

**Skin:** Prolonged skin contact may cause irritation and drying of the skin.

**Inhalation:** Inhalation of vapors or mists may cause mucous membrane and upper respiratory tract irritation

**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Sensitization:** This product is not expected to cause sensitization.

**Chronic Effects:** This product contains a very small amount of naturally occurring crystalline silica. Repeated inhalation of large amounts of silica dust over an extended period of time may result in a progressive, disabling disease, silicosis. However, the crystalline silica in this product is bound in the polymer matrix and dust exposure would not be expected.

**Carcinogenicity:** Titanium dioxide is listed by IARC as "Possibly Carcinogenic to Humans", Group 2B. Respirable crystalline silica is classified as a Group 1 carcinogen by IARC, and "Known to be a Human Carcinogen" by NTP. However, the crystalline silica and titanium dioxide in this product are bound in the polymer matrix and dust exposure would not be expected. None of the other components present at 0.1% or greater are listed as a carcinogen by NTP, IARC, ACGIH or OSHA.

**Reproductive effects:** None of the components have been shown to cause reproductive or developmental toxicity.

**Numerical Measures of Toxicity:**

Aluminum Trihydrate: Oral rat LD50 >5000 mg/kg

Calcium Carbonate: Oral rat LD50: 6450 mg/kg

Titanium Dioxide: Oral rat LD50: >5000 mg/kg

Zinc Oxide: Oral rat LC50>5 g/kg, Inhalation mouse LC50 >5.7 mg/L/4

Crystalline Silica: Oral rat LD50: >10,000 mg/kg; Inhalation rat LC50: >0.139 mg/l/4 hr; Skin rabbit LD50: >5000 mg/kg

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** Zinc oxide is classified as very toxic to aquatic organisms. LC50 zebra fish 1.8 mg/L/96 hr; IC50 algae 0.136 mg/L

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Other adverse effects:** No data available

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Dispose in accordance with all local, state and federal regulations.

**SECTION 14: TRANSPORT INFORMATION****DOT:**

UN/ID Number	None
Proper Shipping Name	Not Regulated
Hazard Class	None
Packing Group	None
ERG Code	N/A
DOT Special Provisions	None known
Description	None

**TDG:**

UN/ID Number	None
Proper Shipping Name	Not Regulated
Hazard Class	None
Packing Group	None



ERG Code N/A  
TDG Special Provisions None known  
Description None

**IATA\*:**

UN/ID Number UN3082  
Proper Shipping Name\* Environmentally Hazardous Substance, liquid n.o.s (zinc oxide)  
Hazard Class 9  
Packing Group III  
ERG Code 171  
Special Provisions A97, A158, A197  
Description UN3082, Environmentally Hazardous Substance, liquid n.o.s (zinc oxide), 9, III

**IMDG\*:**

UN/ID Number UN3082  
Proper Shipping Name Environmentally Hazardous Substance, liquid n.o.s (zinc oxide)  
Hazard Class 9  
Packing Group III  
EmS-No F-A, S-F  
Special Provisions 274, 335, 969  
Description UN3082, Environmentally Hazardous Substance, liquid n.o.s (zinc oxide), 9, III, Marine Pollutant

\* This product is classified as a Marine Pollutant (Environmentally Hazardous Substance) in accordance with the IMDG Code and the UN Model Regulations. However, if it is packaged in either single packages or inner packagings in combination packages containing net quantities of less than 5 kg/5 L, the Marine Pollutant does not apply (IMDG Code 2.10.2.7).

**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not applicable – product is transported only in packaged form.

**Special precautions:** None known

**SECTION 15: REGULATORY INFORMATION**

**SARA Hazard Category (311/312):** Refer to Section 2 for OSHA Hazard Classification.

**EPA SARA 313:** This product contains the following chemicals regulated under SARA Title III, section 313:  
Zinc Oxide (as Zinc Compounds) 1-5 %

**CERCLA Hazardous Substances (Section 103)/RQ:** This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**Toxic Substances Control Act:** All of the components of this product are listed on the TSCA inventory.

**California Proposition 65:** This product contains chemicals known to the State of California to cause cancer or reproductive toxicity.

**SECTION 16: OTHER INFORMATION**

<b>NFPA Rating:</b>	Health = 1	Fire = 0	Instability = 0
<b>HMIS Rating:</b>	Health = 1*	Fire = 0	Physical Hazard = 0



**SDS Date of Preparation:** 11/3/17

**Revision Summary:** Header, Section 14 Transportation, Section 15 SARA 311/312

### **NOTICE**

The information contained herein is based upon the data available to us and is believed to be accurate. However, KM Coatings Mfg. makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. KM Coatings Mfg. assumes no responsibility for injury from the use of the products described herein.

This MSDS conforms with the OSHA Hazard Communication Standard 1900.1210 and to SARA Title III, Section 313 for supplier notification.