



SECTION 1 PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: KM 1P

Recommended Use: Roof Coating

Restriction on Use: None

Manufacturer:

Polyglass U.S.A. Inc.
1111 West Newport Center Drive
Deerfield Beach, Florida 33442
866-222-9782

SDS Date of Preparation: 8/28/17

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

SECTION 2 HAZARDS IDENTIFICATION

Hazard Classification:

Physical	Health
Not Hazardous	Skin Sensitization Category 1

Label Elements:

Warning!



May cause an allergic skin reaction.

Prevention

Avoid breathing mist, vapors or spray.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves.

Response

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical attention.

Take off contaminated clothing and wash it before reuse.

Disposal

Dispose of contents and container in accordance with local and national regulations.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS

Acrylic Polymers

Talc

Mica

Oxirane, 2-((3-(diethoxymethylsilyl)propoxy)methyl)-

CAS#.

Proprietary

14807-96-6

12001-26-2

2897-60-1

WT.%

50-60

5-10

1-5

0.1-<1



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

SECTION 4 FIRST AID MEASURES

Eyes: Immediately 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 or rash develops, get medical attention. Launder clothing before re-use.

Inhalation: If symptoms develop, remove victim to fresh air. If symptoms develop, 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: Causes mild eye irritation. Prolonged contact may cause skin irritation and dryness. May cause an allergic skin reaction. Inhalation of vapors or mists may cause respiratory irritation. Ingestion may cause nausea, vomiting and diarrhea.

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 water spray, carbon dioxide, alcohol foam or dry chemical to extinguish. Cool fire exposed containers with water.

Specific Hazards Arising from the Chemical: Residue will burn after the water has evaporated. Combustion products may include carbon oxides and acrylic monomers.

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.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Wear appropriate protective clothing to avoid eye and skin contact.

Environmental precautions: Avoid release to the environment. 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, 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. Keep containers closed when not in use.

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. Store in original container; keep tightly closed. Rotate stock, using older materials first. Do not reuse container for other purposes. Protect from physical damage.

SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION

Exposure Guidelines:

INGREDIENTS	EXPOSURE LIMITS
Acrylic Polymers	None Established
Talc	20 mppcf TWA OSHA PEL 2 mg/m ³ TWA ACGIH TLV (respirable)
Mica	20 mppcf TWA OSHA PEL 2 mg/m ³ TWA ACGIH TLV (respirable)
Oxirane, 2-((3-(diethoxymethylsilyl)propoxy)methyl)-	None Established

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 dust/mist 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: Impervious gloves are recommended to avoid 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: Light brown or tan liquid with a slight odor.

Boiling Point (@ 760 mmHg): Not available	Freezing Point: not available
Odor Threshold: Not determined	Viscosity: Not determined
Relative density (H₂O=1): 1.11	Vapor Pressure: Not available
VOC: Not available	Vapor Density (AIR=1): Not available
Evaporation Rate: Not available	Solubility In Water: Soluble
pH: Not available	Partition Coefficient n-Octanol/Water: Not determined
Flash Point: >212°F (>100°C)	Autoignition Temperature: Not applicable
Decomposition Temperature: Not determined	Flammability (solid, gas): Not applicable
Flammable Limits: (vol % in air)	LEL – Not applicable UEL – Not applicable

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.

Hazardous decomposition products: Thermal decomposition may yield carbon oxides and acrylic monomers.

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. May cause an allergic skin reaction.

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

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

Sensitization: Oxirane, 2-((3-(diethoxymethylsilyl)propoxy)methyl)-was positive in a guinea pig maximization test. .

Chronic Effects: None known.

Carcinogenicity: None of the 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 found to cause reproductive or developmental effects.

Numerical Measures of Toxicity:

Acrylic Polymers: Oral rat LD50 >5000 mg/kg, Dermal skin LD50 >2000 mg/kg

Talc: No toxicity data available

Mica: No toxicity data available

Oxirane, 2-((3-(diethoxymethylsilyl)propoxy)methyl)-: Oral rat LD50 >2000 mg/kg, Dermal rat LD50 >2000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Acrylic Polymers: No data available

Talc; 24 hr LC50 danio rerio >100 g/L

Mica: No data available

Oxirane, 2-((3-(diethoxymethylsilyl)propoxy)methyl)-: 96 hr Rainbow trout 180 mg/L, 48 hr EC50 daphnia magna 20 mg/L, 72 hr EC50

Scenedesmus subspicatus 33 mg/L

Persistence and degradability: No data available.

Bioaccumulative potential: This product is not expected to bioaccumulate.

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

Proper Shipping Name: Not Regulated

UN Number: None

Hazard Class/Packing Group: None

Labels Required: None

Environmental hazards: None known

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable

Special precautions: None known

SECTION 15: REGULATORY INFORMATION

SARA Hazard Category (311/312): See OSHA Hazard Classification in Section 2.

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313: None

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.



SAFETY DATA SHEET

California Proposition 65: This product does not contain chemicals known to the State of California to cause cancer and reproductive toxicity.

SECTION 16: OTHER INFORMATION

NFPA Rating:

Health = 1

Fire = 0

Instability = 0

HMIS Rating:

Health = 1

Fire = 0

Physical Hazard = 0

SDS Date of Preparation: 8/28/17

Revision Summary:

8/28/17: New SDS

NOTICE

This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. Polyglass U.S.A. Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. This information relates only to the product designated herein and does not relate to its use in combination with any other material or process.