



SECTION 1 PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: KM Epoxy Primer – Part A

Recommended Use: Epoxy Primer

Restriction on Use: None

Manufacturer:
KM Coatings Mfg.
1719 W. Buchanan Street
Phoenix, AZ 85007
(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	Skin Irritation Category 2 Eye Irritation Category 2A Skin Sensitization Category 1

Label Elements:

Warning!



Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction

Avoid breathing mist or spray.
Wash thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves, eye protection or face protection
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.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical attention.
Dispose of contents and container in accordance with local and national regulations.

**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**

INGREDIENTS	CAS#	WT.%
Bisphenol-A-Epichlorhydrin Epoxy Resin	25068-38-6	10-30%
Titanium Dioxide*	13463-67-7	1-10%

*The titanium dioxide in this product is inextricably bound in the polymer matrix. No exposure occurs during normal use or in an emergency.

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

SECTION 4 FIRST AID MEASURES

Eyes: Immediately flush with large quantities of water for 15 minutes, holding the eyelids apart. 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, move to fresh air. If irritation persists or breathing is difficult, 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 eye and skin irritation. May cause allergic skin reaction.

Indication of immediate medical attention and special treatment, if necessary: None expected under normal conditions of use. If allergic skin reaction occurs, discontinue use and get medical attention.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media: Use carbon dioxide, dry chemical or foam to extinguish fire. Do not use a water jet. 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.

Specific Hazards Arising from the Chemical: Combustion may produce carbon oxides.

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. Collect with an inert material and place into a closable container for disposal. Wash spill area with soap and water.

SECTION 7 HANDLING and STORAGE

Precautions for Safe Handling: Avoid contact with the eyes, skin and clothing. Avoid breathing mists or spray. 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 tightly closed container. Avoid freezing to protect product quality. Store at ambient temperatures or between 32-98°F. Keep in original container.

SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION

Exposure Guidelines:

INGREDIENTS	EXPOSURE LIMITS
Bisphenol-A-Epichlorhydrin Epoxy Resin	None Established
Titanium Dioxide	15 mg/m ³ TWA OSHA PEL 10 mg/m ³ TWA ACGIH TLV

Appropriate Engineering Controls: No special ventilation is normally required unless mists are generated. Use with adequate local exhaust ventilation to maintain exposures below the occupational exposure limits.

Respiratory Protection: None normally required. If the exposures the product is heated or sprayed, a NIOSH approved respirator with an organic vapor cartridge and a dust/mist prefilter or supplied air respirator is recommended. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

Gloves: Butyl rubber or other impervious gloves are recommended to prevent skin contact.

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

Other Protective Equipment: Impervious clothing as needed to prevent contact. An eye wash and safety shower should be available in the immediate work area.

SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

Appearance And Odor: Viscous white liquid with a faint aromatic odor.

Boiling Point (@ 760 mmHg): Not available	Freezing Point: Not available
Odor Threshold: Not available	Viscosity: Not available
Relative density (H₂O=1): 1.405	Vapor Pressure: Not available
VOC: 0 g/L	Vapor Density (AIR=1): Not available
Evaporation Rate: Not available	Solubility In Water: Moderately
pH: Not available	Partition Coefficient n-Octanol/Water: Not determined
Flash Point: >212°F / >100°C	Autoignition Temperature: Not available
Decomposition Temperature: Not available	Flammability (solid, gas): Not applicable
Flammable Limits: (vol % in air)	LEL – N/A UEL – N/A

**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 strong oxidizing agents.

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

SECTION 11 TOXICOLOGICAL INFORMATION

Eye: Contact may cause irritation.

Skin: May cause skin irritation with redness, itching and pain. May cause allergic skin reaction (sensitization).

Inhalation Excessive inhalation of mists may cause mucous membrane and upper respiratory tract irritation.

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

Sensitization: Bisphenol-A-Epichlorhydrin epoxy resin cause sensitization on a mouse lymphnode assay.

Chronic Effects: None known.

Carcinogenicity: Titanium dioxide is listed as "Possibly Carcinogenic to Humans", Group 2B by IARC. The titanium dioxide is inextricably bound in a resin matrix and no exposure occurs during use. None of the other components present at 0.1% or greater are listed as a carcinogen by NTP, IARC, ACGIH or OSHA.

Numerical Measures of Toxicity:

Bisphenol-A-Epichlorhydrin Epoxy Resin: Oral rat LD50 > 2000 mg/kg; Inhalation rat LC50 0.000008 ppm/ 5 hr; Dermal rat LD50 > 2000 mg/kg

Titanium Dioxide: Oral rat LD50 >5000 mg/kg; Inhalation rat LC50 > 6.82 mg/L /4 hr

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Bisphenol-A-Epichlorhydrin Epoxy Resin: 96 hr LC50 Oncorhynchus mykiss 4.4 mg/L; 48 hr EC50 daphnia magna 2.8 mg/L; 72 hr EC50 Scenedesmus capricornutum > 11 mg/L

Titanium Dioxide: 72 hr EC50 Pseudokirchnerella subcapitata 61 mg/L

Persistence and degradability: Bisphenol-A-Epichlorhydrin Epoxy Resin is not readily biodegradable. Biodegradation is not applicable to inorganic substances such as titanium dioxide.

Bioaccumulative potential: Bisphenol-A-Epichlorhydrin Epoxy Resin has a BCF of 31.

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 (Bisphenol-A-Epichlorhydrin Epoxy Resin)
Hazard Class 9
Packing Group III
ERG Code 171
Special Provisions A97, A158, A197
Description UN3082, Environmentally Hazardous Substance, liquid n.o.s (Bisphenol-A-Epichlorhydrin Epoxy Resin), 9, III

IMDG*:

UN/ID Number UN3082
Proper Shipping Name Environmentally Hazardous Substance, liquid n.o.s (Bisphenol-A-Epichlorhydrin Epoxy Resin)
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 (Bisphenol-A-Epichlorhydrin Epoxy Resin), 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: 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.



California Proposition 65: This product may contain trace amount of a contain chemicals known to the State of California to cause cancer: None

SECTION 16: OTHER INFORMATION

NFPA Rating:	Health = 2	Fire = 0	Instability = 0
HMIS Rating:	Health = 2	Fire = 0	Physical Hazard = 0

SDS Date of Preparation: 11/3/17

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