



# Safety Data Sheet

## 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: 07/02/15

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.



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## SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

<b>INGREDIENTS</b>	<b>CAS#.</b>	<b>WT.%</b>
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.



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## 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 <sup>3</sup> TWA OSHA PEL 10 mg/m <sup>3</sup> 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.

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



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**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

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 – product is transported only in packaged form.

**Special precautions:** None known

## SECTION 15: REGULATORY INFORMATION

**SARA Hazard Category (311/312):** Acute Health



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**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

**WHMIS Classification:** Class D Division 2B

This SDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the SDS contains all of the information required by the CPR.

## SECTION 16: OTHER INFORMATION

<b>NFPA Rating:</b>	Health = 2	Fire = 0	Instability = 0
<b>HMIS Rating:</b>	Health = 2	Fire = 0	Physical Hazard = 0

**SDS Date of Preparation:** 07/02/15

**Revision Summary:** New SDS.

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



# Safety Data Sheet

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## SECTION 1 PRODUCT NAME AND COMPANY IDENTIFICATION

**Product Name:** KM Epoxy Primer - Part B

**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: 07/02/15

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

## SECTION 2: HAZARDS IDENTIFICATION

**Hazard Classification:**

Physical	Health
Flammable Liquid Category 4	Skin Irritation Category 2 Eye Damage Category 1 Skin Sensitization Category 1

Label Elements:

Danger!



Combustible liquid.  
Causes skin irritation.  
Causes serious eye damage.  
May cause an allergic skin reaction

Keep away from flames and hot surfaces. No smoking  
Avoid breathing mist, vapors or spray.  
Wash thoroughly after handling.  
Contaminated work clothing should not be allowed out of the workplace.  
Wear protective gloves, eye protection and 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.  
Immediately call a POISON CENTER or doctor.  
In case of fire: Use water spray or mist, carbon dioxide, dry chemical and foam to extinguish.  
Store in a well-ventilated place. Keep cool.

**KM Epoxy Primer - Part B**



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

## SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENTS</u>	<u>CAS#.</u>	<u>WT.%</u>
Polyamide Resin	68410-23-1	5-25%
Aromatic Petroleum Distillates	64742-95-6	3-8%

**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 immediate medical attention.

**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 with possible eye damage. Causes skin irritation. May cause allergic skin reaction.

**Indication of immediate medical attention and special treatment, if necessary:** If eye contact occurs, get immediate medical attention.

## SECTION 5 FIRE FIGHTING MEASURES

**Extinguishing Media:** Use water spray or mist, 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 and nitrogen oxides and hydrocarbons.

## 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



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**Precautions for Safe Handling:** Prevent contact with eyes. Avoid contact with skin and clothing. Avoid breathing vapors or 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 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
Polyamide Resin	None Established
Aromatic Petroleum Distillates (as Stoddard solvent)	500 ppm TWA OSHA PEL 100 ppm TWA ACGIH TLV

**Appropriate Engineering Controls:** Use with adequate local exhaust ventilation to maintain exposures below the occupational exposure limits. Use explosion proof equipment where required.

**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:** Neoprene, nitrile or other impervious gloves are recommended to prevent skin contact.

**Eye Protection:** Chemical safety goggles required 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:** Dark gray liquid with an aromatic odor.

<b>Boiling Point (@ 760 mmHg):</b> Not available	<b>Freezing Point:</b> Not available
<b>Odor Threshold:</b> Not available	<b>Viscosity:</b> Not available
<b>Relative density (H2O=1):</b> 1.405	<b>Vapor Pressure:</b> Not available
<b>VOC:</b> 110 g/L	<b>Vapor Density (AIR=1):</b> Not available
<b>Evaporation Rate:</b> Not available	<b>Solubility In Water:</b> Moderately
<b>pH:</b> Not available	<b>Partition Coefficient n-Octanol/Water:</b> Not determined
<b>Flash Point:</b> 144°F / 62°C	<b>Autoignition Temperature:</b> Not available
<b>Decomposition Temperature:</b> Not available	<b>Flammability (solid, gas):</b> Not applicable
<b>Flammable Limits: (vol % in air)</b>	<b>LEL – N/A      UEL – N/A</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 strong oxidizing agents and acids.

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





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### SECTION 11 TOXICOLOGICAL INFORMATION

**Eye:** Contact may cause severe irritation with redness, pain and tearing. Permanent damage may occur. .  
**Skin:** May cause skin irritation with redness, itching and pain. May cause allergic skin reaction (sensitization).  
**Inhalation** Excessive inhalation of vapors or 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:** None of the components present at 0.1% or greater are listed as a carcinogen by NTP, IARC, ACGIH or OSHA.

**Numerical Measures of Toxicity:**

Polyamide Resin: Oral rat LD50 > 2000 mg/kg; Dermal rat LD50 > 2000 mg/kg  
Aromatic Petroleum Distillates: Oral rat LD50 >5000 mg/kg; Inhalation rat LC50 > 7630 mg/m<sup>3</sup> /4 hr; Dermal rabbit LD50 > 2000

### SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:**

Polyamide Resin: 96 hr LC50 Danio rerio 7.07 mg/L (structurally similar chemical) ; 48 hr EC50 daphnia magna 5.18 mg/L (structurally similar chemical); 72 hr EC50 Pseudokirchnerella subcapitata 4.11 mg/L  
Aromatic Petroleum Distillates: 96 hr LC50 Pimephales promelas 8.2 mg/L; 48 hr EC50 daphnia magna 4.5 mg/L; 72 hr EC50 Pseudokirchnerella subcapitata 3.1 mg/L

**Persistence and degradability:** Aromatic petroleum distillate is readily biodegradable. Polyamide resin is inherently biodegradable.

**Bioaccumulative potential:** Polyamide resin has a BCF of 2.69.

**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 – product is transported only in packaged form.

**Special precautions:** None known

### SECTION 15: REGULATORY INFORMATION

**SARA Hazard Category (311/312):** Acute Health

**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.



# Safety Data Sheet

**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 or reproductive toxicity: Benzene 71-43-2 (cancer, developmental, male reproductive toxicity)

**WHMIS Classification:** Class D Division 2B

This SDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the SDS contains all of the information required by the CPR.

<b>SECTION 16: OTHER INFORMATION</b>
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<b>NFPA Rating:</b>	Health = 2	Fire = 0	Instability = 0
<b>HMIS Rating:</b>	Health = 2	Fire = 0	Physical Hazard = 0

**SDS Date of Preparation:** 07/02/15

**Revision Summary:** New SDS.

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