

SAFETY DATA SHEET

KM-615 PART B HARDENER

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1. Product and Company Identification

Product Code: KM-615 HARD
Product Name: KM-615 PART B HARDENER
Company Name: Kelly Moore Paints
987 Commercial Street
San Carlos, CA 94070
Emergencies Involving Spills, Leaks
Fires, Exposures, or Accidents
Emergency Contact: CHEMTREC: (800) 424-9300

Phone Number:
(888) 677-2468

2. Hazards Identification

Skin Corrosion/Irritation, Category 1B
Skin Sensitization, Category 1
Serious Eye Damage/Eye Irritation, Category 1
Germ Cell Mutagenicity – Category 2
Acute Toxicity: Oral, Category 4
Aquatic Toxicity (Acute), Category 1
Aquatic Toxicity (Chronic), Category 1



GHS Signal Word
GHS Hazard Phrases:

Danger

H314 - Causes severe skin burns and eye damage.
H302 – Harmful if swallowed.

H361 – Suspected of damaging fertility or the unborn child.
H411 – Toxic to aquatic life with long lasting effects.

GHS Precaution Phrases:

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P270 – Do not eat, drink or smoke when using this product.
P202 – Do not handle until all safety precautions have been read and understood.
P281 – Use personal protective equipment as required.
P273 – Avoid release to the environment.

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.
P301+330+331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical aid.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention.
P370+378 - In case of fire, use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

GHS Storage and Disposal Phrases:

P403+235 - Store in cool/well-ventilated place. Store locked up.
Contact a licensed professional waste disposal service to dispose of this material.

Potential Health Effects:

Chronic inhalation may cause effects similar to those of acute inhalation.

Inhalation:

May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

Skin Contact:

May be harmful if absorbed through the skin. Causes skin burns.

Eye Contact:

Causes eye burns.

Ingestion:

May be harmful if swallowed.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
Proprietary	Epoxy amine	40.0 - 45.0 %
14808-60-7	Silicon dioxide	20.0 - 30.0%

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84852-15-3
90-72-2

Phenol, 4-nonyl-, branched
2,4,6-Tris(Dimethylaminomethyl)Phenol

10.0 - 20.0 %
5.0 – 15.0%

4. First Aid Measures

Emergency and First Aid Procedures

In Case of Inhalation:

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Remove from exposure and move to fresh air immediately. Get medical aid.

In Case of Skin Contact:

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. If skin irritation occurs, get medical advice/attention.

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. Do NOT induce vomiting. Get medical aid.

Signs and Symptoms of Exposure:

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin.

Note to Physician:

Cough, Shortness of breath, Headache, Nausea.

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

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 very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities 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.

6. Accidental Release Measures

Steps To Be Taken In Case Material is Released or Spilled:

Personal precautions.

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Environmental precautions. Do not let product enter drains. Soak up with inert absorbent material and dispose of hazardous waste. Keep in suitable, closed containers for disposal.

7. Handling and Storage

Precautions To Be Taken in Handling:

Avoid inhalation of vapor mist. Normal measures for preventive fire protection.

Precautions To Be Taken:

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA
Proprietary	Epoxy amine	N/E	N/E
14808-60-7	Silicon dioxide	PEL: 8825 ppm/(%SiO ₂ +5)	TLV: 0.05 mg/m ³ (R)
84852-15-3	Phenol, 4-nonyl-, branched	N/E	N/E
90-72-2	2,4,6-Tris (Dimethylamino)methyl]phenol	N/E	N/E

Respiratory Equipment (Specify Type):

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. 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. Wear appropriate protective clothing to prevent skin exposure.

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**Other Protective Clothing:
Engineering Controls
(Ventilation, etc.)
Work/Hygienic/Maintenance
Practices:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Wash thoroughly after handling. Wash contaminated clothing before reuse.

9. Physical and Chemical Properties

Physical States:	[] Gas	[X] Liquid	[] Solid
Flash Point:	>220° F		
Boiling Point:	>230° F		
Explosive Limits:	LEL: N/A	UEL: N/A	
Weight Per Gallon:	9.40 +/- .3		
Vapor Pressure (mm Hg):	N/A		
Vapor Density:	N/A		
Evaporation Rate:	N/A		
Percent Volatile:	0		

10. Stability and Reactivity

Stability:	Unstable []	Stable [X]	No data available.
Conditions to Avoid - Instability:	Excess heat		
Incompatibility – Materials To Avoid:	Strong oxidizing agents, acids.		
Hazardous Decomposition Or Byproducts:	Formed under fire conditions. Carbon oxides, nitrogen oxides (NOx).		
Possibility of Hazardous Reactions:	Will occur []	Will not occur [X]	
Conditions to Avoid - Hazardous Reactions:	No data available		

11. Toxicological Information

Toxicological Information:

Epidemiology: No information found.
Teratogenicity: Reproductive Effects: Mutagenicity: No information found.
Neurotoxicity. No information available.

**Irritation or Corrosion:
Carcinogenicity/Other
Information:**

Serious eye damage/eye irritation.
These products contain more than 0.1% crystalline silica (CAS #14808-60-7) which has been classified by IARC a Class 1 carcinogen. Normal application procedures pose no hazard since the silica is set and encapsulated, but grinding or sanding dried films may yield respirable silica dusts. Control exposures to less than 0.1 mg per cubic meter of air using approved dust filter respirators. Skin contact: Prolonged or repeated contact with product may cause slight skin irritation. Impervious gloves should be worn if prolonged skin contact is likely.

ACGIH Carcinogens

Quartz (CAS 14808-60-7)

A2 Suspected human carcinogen

IARC Monographs, Overall Evaluation of Carcinogenicity

Quartz (CAS 14808-60-7)

1 Carcinogenic to humans

US NTP Report on Carcinogens: Known Carcinogen

Quartz (CAS 14808-60-7)

Known to be human carcinogen

OSHA PEL: Exposure to airborne crystalline silica shall not exceed an 8 hour time weighted average limit as stated in 29CFR 1910.1000, Table-Z-1-A Air contaminants, specifically: Silica, Crystalline Quartz (Respirable) 0.1 MG/M3. ACGIH TLV-TWA: 01 MG/M3. NIOSH Maximum permissible conc. 0.05 MG/M3, 10 hour workday, 40 hour week. This product contains the following substances known to the State of California to cause cancer, birth defects, or other reproductive hazards: Crystalline Silica.

12. Ecological Information

General Ecological Information: Toxic to aquatic life with long lasting effects.

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13. Disposal Considerations

Waste Disposal Method:

Dispose of as unused product. This material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14. Transport Information

LAND TRANSPORT (US DOT):**DOT Proper Shipping Name:**

Consumer Commodity. ORM-D (for 1 gallon and quart cans)
UN3066, Paint Related Material, 8, PG III (sizes larger than 1 gallon)

**IMDG Shipping:****Name:**

UN3066, Paint Related Material, 8, PG III
The marine pollutant mark is not required when transported in sizes of ≤ 5 L or ≤ 5 kg (per container)

**AIR TRANSPORT (ICAO/IATA):****IATA Shipping Name:**

UN3066, Paint Related Material, 8, PG III



15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
Proprietary	Epoxy Amine	No	No	No
14808-60-7	Silicon dioxide	No	No	No
84852-15-3	Phenol, 4-nonyl-, branched	No	No	No
90-72-2	2,4,6-Tris(Dimethylamino)methyl]phenol	No	No	No

V.O.C. (mixed): 0 LBS/GL (0 GMS/L)

16. Other Information

Revision Date: 10/23/2015

Additional Information About this Product:

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

Health: 3
Flammability: 1
Reactivity: 0
Personal Protection: *

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

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 Paints 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.

