

SAFETY DATA SHEET

KM-149 PART B HARDENER

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1. Product and Company Identification

Product Code: KM-149 HARD
Product Name: KM-149 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 Sensitization, Category 1
Flammable Liquids, Category 2
Acute Toxicity: Skin, Category 4
Skin Corrosion/Irritation, Category 2
Acute Toxicity: Inhalation, Category 4
Target Organ Systemic Toxicity (repeated exposure), Category 2
Target Organ Systemic Toxicity (single exposure), Category 3



GHS Signal Word:
GHS Hazard Phrases:

Danger

H317 – May cause an allergic skin reaction.
H226 – Flammable liquid and vapor.
H312 – Harmful in contact with skin.
H315 – Causes skin irritation.
H332 – Harmful if inhaled.
H373 – May cause damage to organs through prolonged or repeated exposure.
H335 – May cause respiratory irritation.

GHS Precaution Phrases:

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P241 - Use explosion-proof electrical/ventilating/lighting/equipment.
P243 - Take precautionary measures against static discharge.
P264 - Wash hands thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.

GHS Response Phrases:

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
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.
P501-Contact a licensed professional waste disposal service to dispose of this material.

Potential Health Effects (Acute and Chronic):

Chronic: Chronic inhalation may cause effects similar to those of acute inhalation.
Prolonged or repeated skin contact may cause defatting and dermatitis. Animal studies have reported that fetal effects/abnormalities may occur when maternal toxicity is seen. Chronic overexposure to vapors may cause lung damage. Repeated or prolonged exposure may cause CNS stimulation.

Inhalation:

Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. May be harmful if inhaled. Vapors may cause dizziness or suffocation.

Skin Contact:

May be absorbed through the skin in harmful amounts. Repeated or prolonged exposure may cause drying and cracking of the skin.

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Eye Contact:

Causes eye irritation. Causes redness and pain.

Ingestion:

May be harmful if swallowed. May be harmful if inhaled.

May cause irritation of the digestive tract. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal.

3. Composition on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
68410-23-1	Polyamide based resin	40.0 -45.0 %
1330-20-7	Xylene (mixed isomers)	25.0 -30.0 %
78-93-3	Methyl ethyl ketone	12.0 -16.0 %
107-98-2	2-Propanol, 1-Methoxy-	7.0 -12.0 %
84852-15-3	Phenol, 4-nonyl-, branched	7.0 -12.0 %
100-41-4	Ethylbenzene	0.1 -6.0 %

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

Central nervous system depression. Dermatitis. Abdominal pain, Nausea. Vomiting, Anorexia. Shortness of breath.

Of Exposure:

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

Note to Physician:

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:

Wear self-contained breathing apparatus for firefighting.

Use water spray to cool unopened containers. Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Flammable Liquid. Emits toxic fumes under fire conditions. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Flammable liquid and vapor. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas. This liquid floats on water and may travel to a source of ignition and spread fire. May accumulate static electricity.

Flammable Properties and Hazards:

Vapor may travel considerable distance to source of ignition and flash back. Container explosion may occur under fire conditions. Forms explosive mixtures in air.

6. Accidental Release Measures

Steps To Be Taken In Case

Personal precautions.

Material Is Released Or Spilled:

Use personal protective equipment.

Spills/Leaks: Control runoff and isolate discharged material for proper disposal. Use water spray to cool and disperse vapors and protect personnel.

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7. Handling and Storage

Precautions To Be Taken in Handling:

Avoid contact with skin and eyes. Normal measures for preventive fire protection. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

Precautions To Be Taken in Storing:

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Suitable: Keep away from heat, sparks, and open flame.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA
68410-23-1	Polyamide based resin	N/E	N/E
1330-20-7	Xylene (mixed isomers)	PEL: 100 ppm	TLV: 100 ppm STEL: 150 ppm
78-93-3	Methyl ethyl ketone	PEL: 200 ppm	TLV: 200 ppm STEL: 300 ppm
107-98-2	2 -Propanol, 1-Methoxy-	N/E	TLV: 100 ppm STEL: 150 ppm
84852-15-3	Phenol, 4-nonyl-, branched	N/E	N/E
100-41-4	Ethylbenzene	PEL: 100 ppm	TLV: 100 ppm STEL: 125 ppm

Respiratory Equipment (Specify Type):

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.

Other Protective Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.):

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.

Work/Hygienic/Maintenance Practices:

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. Chemical and Physical Properties

Physical States:	[] Gas	[X] Liquid	[] Solid
Boiling Point:	175°F		
Flash Pt:	20°F		
Explosive Limits:	LEL: 1.0	UEL: 13.74	
Weight Per Gallon:	7.65 +/- .2		
Vapor Pressure (mm Hg):	70 @ 68°F		
Vapor Density:	Heavier than air		
Evaporation Rate:	Slower than Ether		
Percent Volatile:	53 (vol.)		

10. Stability and Reactivity

Stability:	Unstable []	Stable [X]
Conditions To Avoid – Instability:	Heat, flames and sparks. Ignition sources, Excess heat.	
Incompatibility – Materials To Avoid:	Strong oxidizing agents.	
Hazardous Decomposition Or Byproducts:	No data available	
Possibility of Hazardous Reactions:	Will occur []	Will not occur [X]
Conditions To Avoid – Hazardous Reactions:	No data available.	

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11. Toxicological Information

Toxicological Information:	Acute toxicity: No data available. Epidemiology: No information found. Teratogenicity: No information available. Neurotoxicity: No information available.
Irritation or Corrosion:	No data available
Sensitization:	No data available
Chronic Toxicological Effects:	IARC: Group 3: Not classifiable as to its carcinogenicity to humans 3. NTP: No component of this product present at levels is greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Carcinogenicity:	This product contains substances known to the State of California to cause Cancer, Birth Defects, or other reproductive hazards: Benzene, Toluene.

12. Ecological Information

General Ecological Information:	No data available
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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.
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14. Transport Information

LAND TRANSPORT (US DOT): DOT Proper Shipping Name:	UN1263, Paint Related Material, 3, PG II
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Marine Transport IMDG Shipping Name:	UN1263, Paint Related Material, 3, PG II
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AIR TRANSPORT (ICAO/IATA): IATA Shipping Name:	UN1263, Paint Related Material, 3, PG II
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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)
68410-23-1	Polyamide based resin	No	No	No
1330-20-7	Xylene (mixed isomers)	No	Yes 100 LB	Yes
78-93-3	Methyl ethyl ketone	No	Yes 5000 LB	No
107-98-2	2-Propanol, 1-Methoxy-	No	No	No
84852-15-3	Phenol, 4-nonyl-, branched	No	No	No
100-41-4	Ethylbenzene	No	Yes 1000 LB	Yes

V.O.C (mixed) 3.23 LBS/GL (387/ GMS/L)

16. Other Information

Revision Date: 9/2/2015

Additional Information About This Product:

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

Health: 2*
Flammability: 3
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 maybe 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 Paint Co. 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.