

SAFETY DATA SHEET

KM-155 PART B HARDENER

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1. Product and Company Identification

Product Code: KM-155 HARD
Product Name: KM-155 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

Acute Toxicity: Skin, Category 4
Acute Toxicity: Oral, Category 4
Flammable Liquids, Category 2
Aspiration Toxicity, Category 1
Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 2A
Acute Toxicity: Inhalation, Category 4
Toxic To Reproduction, Category 2
Aquatic Toxicity (Acute), Category 2



GHS Signal Word:

Danger

GHS Hazard Phrases:

H302 - Harmful if swallowed.
H225 - Highly flammable liquid and vapor.
H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H332 - Harmful if inhaled.
H319 - Causes serious eye irritation.
H402 - Harmful to aquatic life

GHS Precaution Phrases:

P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P241 - Use explosion-proof electrical/ventilating/lighting/equipment.
P271 - Use only outdoors or in a well-ventilated area.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P281 - Use personal protective equipment as required.

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.
P403+235 - Store in cool/well-ventilated place. Store locked up.
P501 - Contact a licensed professional waste disposal service to dispose of this material.

GHS Storage and Disposal Phrases:

Potential Health Effects

(Acute and Chronic):

Inhalation:

May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. Causes respiratory tract irritation. Vapors may cause drowsiness and dizziness.

Skin Contact:

Harmful if absorbed through the skin. Causes skin burns. Causes skin irritation.

Eye Contact:

Causes eye burns. Causes eye irritation.

Ingestion:

May be harmful if swallowed. Aspiration hazard if swallowed - can enter lungs and cause damage.

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3. Composition on Ingredients

| CAS # | Hazardous Components (Chemical Name) | Concentration |
|------------|--------------------------------------|---------------|
| 2855-13-2 | Isophoronediamine | 30.0 – 40.0% |
| 84852-15-3 | Phenol, 4-nonyl-, branched | 30.0 – 40.0% |
| 108-88-3 | Toluene | 20.0 – 28.0% |

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:

Lung irritation, chest pain, pulmonary edema. Inhalation studies on Toluene have demonstrated the development of inflammatory and ulcerous lesions of the penis, prepuce, and scrotum in animals.

Note to Physician:

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 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. 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.

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. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Environmental precautions.

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

7. Handling and Storage

Precautions To Be Taken Handling:

Normal measures for preventive fire protection. Keep away from sources of ignition - No smoking. Take in measures to prevent the buildup of electrostatic charge.

Precautions To Be Taken in Storing:

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 |
|------------|----------------------------|--------------------------------------------------------|-------------|
| 2855-13-2 | Isophoronediamine | N/E | N/E |
| 84852-15-3 | Phenol, 4-nonyl-, branched | N/E | N/E |
| 108-88-3 | Toluene | PEL: 200 ppm STEL: 500 ppm/(10min) CEIL: 300 ppm | TLV: 50 ppm |

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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. Safety glasses with side shield. For a higher degree of protection, wear chemical splash goggles.

Eye Protection:

Protective Gloves:

Other Protective Clothing:

Wear appropriate protective gloves to prevent skin exposure, such as butyl rubber or nitrile rubber. Wear appropriate protective clothing to prevent skin exposure.

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.

Engineering Controls (Ventilation etc.):

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. Chemical and Physical Properties

| | | | |
|-------------------------|------------------------------|--------------------------------------------|--------------------------------|
| Physical States: | <input type="checkbox"/> Gas | <input checked="" type="checkbox"/> Liquid | <input type="checkbox"/> Solid |
| Boiling Point: | > 230°F | | |
| Flash Pt: | 45 ° F | | |
| Explosive Limits: | LEL: 1.2 | UEL: 7.0 | |
| Weight Per Gallon: | 7.85 +/- .3 | | |
| Vapor Pressure (mm Hg): | 22 @ 68°F | | |
| Vapor Density: | Heavier than air | | |
| Evaporation Rate: | Slower than Ether | | |
| Percent Volatile: | 27 (vol.) | | |

10. Stability and Reactivity

| | | |
|----------------------------------------|------------------------------------------------|--------------------------------------------------------|
| Stability: | Unstable [<input type="checkbox"/>] | Stable [<input checked="" type="checkbox"/>] |
| Conditions To Avoid – Instability: | Heat, flames and sparks | |
| Incompatibility – Materials To Avoid: | Strong oxidizing agents, acids, Amines, Bases. | |
| Hazardous Decomposition Or Byproducts: | Nature of decomposition products unknown | |
| Possibility of Hazardous Reactions: | Will occur [<input type="checkbox"/>] | Will not occur [<input checked="" type="checkbox"/>] |

11. Toxicological Information

Toxicological Information:

Acute toxicity. No data available. Respiratory or skin sensitization: May cause allergic skin reaction. Germ cell mutagenicity. Reproductive toxicity - no data available. Specific target organ toxicity - single exposure (Globally Harmonized System) Specific target organ toxicity – repeated exposure (Globally Harmonized System). Aspiration hazard.

Carcinogenicity/Other Information:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a or potential carcinogen by OSHA. IARC: Group 3: Not classifiable as to its carcinogenicity to humans³. This product contains the following substances known to the State of California to cause cancer, birth defects or other reproductive hazards: Benzene, Toluene.

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12. Ecological Information

General Ecological Information: Harmful to aquatic life.
Persistence and Degradability: No data available.
Bioaccumulative Potential: No data available.
Mobility in Soil: No data available

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General Ecological Information: Harmful to aquatic life.
Persistence and Degradability: No data available.
Bioaccumulative Potential: No data available.
Mobility in Soil: No data available

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: UN1263, Paint Related Material, 3, PG II



Marine Transport
IMDG Shipping Name: UN1263, Paint Related Material, 3, PG II



AIR TRANSPORT (ICAO/IATA):
IATA Shipping Name: UN1263, Paint Related Material, 3, PG II



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) |
|------------|--------------------------------------|--------------|-------------|--------------|
| 2855-13-2 | Isophoronediamine | No | No | No |
| 108-88-3 | Toluene | No | Yes 1000 LB | Yes |
| 84852-15-3 | Phenol, 4-nonyl-, branched | No | No | No |

V.O.C (mixed) 1.99 LBS/GL (239 GMS/L)

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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 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 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.