

# MATERIAL SAFETY DATA SHEET

## Klean-Strip Lacquer Thinner

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>2</b>
<b>PHYSICAL HAZ.</b>	<b>1</b>
<b>PPE</b>	<b>G</b>



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### 1. Product and Company Identification

**Product Code:** QML170  
**Product Name:** Klean-Strip Lacquer Thinner  
**Reference #:** 1605.34  
**Manufacturer Information**  
**Company Name:** W. M. Barr  
 2105 Channel Avenue  
 Memphis, TN 38113  
**Phone Number:** (901)775-0100  
**Emergency Contact:** 3E 24 Hour Emergency Contact (800)451-8346  
**Information:** W.M. Barr Customer Service (800)398-3892  
**Web site address:** www.wmbarr.com  
**Preparer Name:** W.M. Barr and Company, Inc. (901)775-0100

### 2. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Percentage	OSHA TWA	ACGIH TWA	Other Limits
1. Methanol	67-56-1	20.0 -25.0 %	200 ppm	200 ppm	
2. Toluene	108-88-3	5.0 -10.0 %	200 ppm	50 ppm	
3. Acetone	67-64-1	5.0 -20.0 %	1000 ppm	500 ppm	
4. Acetic acid, Ethyl ester	141-78-6	5.0 -15.0 %	400 ppm	400 ppm	
5. Hexane, Light aliphatic naptha	64742-89-8	30.0 -50.0 %			
6. Methyl ethyl ketone	78-93-3	5.0 -10.0 %	200 ppm	200 ppm	
7. Ethanol, 2-Butoxy-	111-76-2	1.0 -5.0 %	50 ppm	20 ppm	
Hazardous Components (Chemical Name)	CAS #	OSHA STEL	OSHA CEIL	ACGIH STEL	ACGIH CEIL
1. Methanol	67-56-1			250 ppm	
2. Toluene	108-88-3	500 ppm/(10min)	300 ppm		
3. Acetone	67-64-1			750 ppm	
4. Acetic acid, Ethyl ester	141-78-6				
5. Hexane, Light aliphatic naptha	64742-89-8				
6. Methyl ethyl ketone	78-93-3			300 ppm	
7. Ethanol, 2-Butoxy-	111-76-2				

### 3. Hazards Identification

#### Emergency Overview

Danger! Extremely flammable. Keep away from heat, sparks, flame and all other sources of ignition. Vapors may cause flash fire or ignite explosively. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and all other sources of ignition during use and until all vapors are gone. Beware of static electricity that may be generated by synthetic clothing and other sources.

**OSHA Regulatory Status:** This material is classified as hazardous under OSHA regulations.

#### Potential Health Effects (Acute and Chronic)

##### Inhalation Acute Exposure Effects:

Vapor harmful. May cause dizziness; headache; watering of eyes; irritation of respiratory tract; weakness; drowsiness; nausea; numbness in fingers, arms and legs; depression of central nervous system; loss of appetite; fatigue; hallucinations; light headedness; visual disturbances; giddiness and intoxication; sleepiness; cough and dyspnea; cold, clammy extremities; diarrhea; vomiting; dilation of pupils; spotted vision. Severe overexposure may cause convulsions; unconsciousness; coma; and death. Intentional misuse of this product by deliberately concentrating and inhaling can be harmful or fatal.

##### Skin Contact Acute Exposure Effects:

May be absorbed through the skin. May cause irritation; numbness in the fingers and arms; drying of skin; and dermatitis. May cause increased severity of symptoms listed under inhalation.

##### Eye Contact Acute Exposure Effects:

This material is an eye irritant. May cause irritation; burns; conjunctivitis of eyes; and corneal ulcerations of the eye. Vapors may irritate eyes.

**Ingestion Acute Exposure Effects:**

Poison. Cannot be made non-poisonous. May be fatal or cause blindness. May cause dizziness; headache; nausea; vomiting; burning sensation in mouth, throat, and stomach; loss of coordination; depression of the central nervous system; narcosis; stupor; gastrointestinal irritation; liver, kidney, and heart damage; diarrhea; loss of appetite; coma and death. May produce symptoms listed under inhalation.

**Chronic Exposure Effects:**

Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. Prolonged or repeated contact may cause dermatitis. Prolonged skin contact may result in absorption of a harmful amount of this material. May cause conjunctivitis; gastric disturbances; insomnia; dizziness; headache; weakness; fatigue; nausea; heart palpitations; skin irritation; numbness in hands and feet; permanent central nervous system changes; some loss of memory; pancreatic damage; giddness; visual impairment or blindness; kidney or liver damage; and death. May cause symptoms listed under inhalation.

**Signs and Symptoms Of Exposure**

**Medical Conditions Generally Aggravated By Exposure**

Diseases of the skin, eyes, liver, kidneys, central nervous system and respiratory system.

## 4. First Aid Measures

**Emergency and First Aid Procedures**

**Inhalation:**

If user experiences breathing difficulty, move to air free of vapors. Administer oxygen or artificial medical assistance can be rendered.

**Skin Contact:**

Wash with soap and large quantities of water and seek medical attention if irritation from contact persists.

**Eye Contact:**

Flush with large quantities of water for at least 15 minutes and seek immediate medical attention.

**Ingestion:**

Call your local poison control center, hospital emergency room or physician immediately for instructions to induce vomiting.

**Note to Physician**

Poison. This product contains methanol. Methanol is metabolized to formaldehyde and formic acid. These metabolites may cause metabolic acidosis, visual disturbances and blindness. Since metabolism is required for these toxic symptoms, their onset may be delayed from 6 to 30 hours following ingestion. Ethanol competes for the same metabolic pathway and has been used as an antidote. Methanol is effectively removed by hemodialysis. Call your local poison control center for further information.

## 5. Fire Fighting Measures

**Flammability Classification:**

Class IB

**Flash Pt:**

4.00 F Method Used: TOC

**Explosive Limits:**

LEL: 1.00 UEL:

**Fire Fighting Instructions**

Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up. Stay away from heads of containers that have been exposed to intense heat or flame.

**Flammable Properties and Hazards**

**Extinguishing Media**

Use carbon dioxide, dry powder, or foam.

**Unsuitable Extinguishing Media**

## 6. Accidental Release Measures

**Steps To Be Taken In Case Material Is Released Or Spilled**

**Clean up:**

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Shut off ignition sources; keep flares, smoking or flames out of hazard area.

**Small spills:**

Take up with sand, earth or other noncombustible absorbent material and place in a plastic container where applicable.

Large spills:

Dike far ahead of spill for later disposal.

Waste Disposal:

Dispose in accordance with applicable local, state and federal regulations.

## 7. Handling and Storage

### Precautions To Be Taken in Handling

Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations. Do not reuse this container.

### Precautions To Be Taken in Storing

Keep container tightly closed when not in use. Store in a cool, dry place. Do not store near flames or at elevated temperatures.

## 8. Exposure Controls/Personal Protection

### Respiratory Equipment (Specify Type)

For OSHA controlled work place and other regular users. Use only with adequate ventilation under engineered air control systems designed to prevent exceeding appropriate TLV. For occasional use, where engineered air control is not feasible, use properly maintained and properly fitted NIOSH approved respirator for organic solvent vapors. A dust mask does not provide protection against vapors.

### Eye Protection

Safety glasses, goggles or face shields are recommended to safeguard against potential eye contact, irritation, or injury. Contact lenses should not be worn while working with chemicals.

### Protective Gloves

Wear impermeable gloves. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with product.

### Other Protective Clothing

Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure. A source of clean water should be available in the work area for flushing eyes and skin. Do not eat, drink, or smoke in the work area. Wash hands thoroughly after use. Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use. Discard any clothing or other protective equipment that cannot be decontaminated, such as gloves or shoes.

### Engineering Controls (Ventilation etc.)

Use only with adequate ventilation to prevent build-up of vapors. Open all windows and doors. Use only with a cross ventilation of moving fresh air across the work area. If strong odor is noticed or you experience slight dizziness, headache, nausea, or eye-watering - Stop - ventilation is inadequate. Leave area immediately.

## 9. Physical and Chemical Properties

<b>Physical States:</b>	[ ] Gas [ X ] Liquid [ ] Solid
<b>Flash Pt:</b>	4.00 F Method: TOC
<b>Explosive Limits:</b>	LEL: 1.00 UEL:
<b>Specific Gravity (Water = 1):</b>	0.7642 - 0.7829
<b>Percent Volatile:</b>	100.0 % by weight.
<b>VOC / Volume:</b>	697.0000 G/L
<b>Appearance and Odor</b>	
	Water White / Free and Clear

## 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]

### Conditions To Avoid - Instability

### Incompatibility - Materials To Avoid

Incompatible with strong oxidizing agents, strong caustics, hydrogen peroxide, and nitrates.

### Hazardous Decomposition Or Byproducts

Decomposition may produce carbon monoxide; carbon dioxide; formaldehyde; and unidentified organic compounds in black smoke.

**Hazardous Polymerization:** Will occur [ ] Will not occur [ X ]

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### Conditions To Avoid - Hazardous Polymerization

## 11. Toxicological Information

### Toxicological Information

#### Carcinogenicity/Other Information

#### Carcinogenicity:

NTP? No    IARC Monographs? No    OSHA Regulated? No

## 12. Ecological Information

### Ecological Information

## 13. Disposal Considerations

### Waste Disposal Method

## 14. Transport Information

### LAND TRANSPORT (US DOT)

#### DOT Proper Shipping Name

#### Additional Transport Information

For DOT information, contact W.M. Barr Technical Services.

## 15. Regulatory Information

No data available.

## 16. Other Information

### Company Policy or Disclaimer

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.