

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name:</b>	Klean-Strip MEK Substitute	
<b>Company Name:</b>	W. M. Barr 2105 Channel Avenue Memphis, TN 38113	<b>Phone Number:</b> (901)775-0100
<b>Web site address:</b>	www.wmbarr.com	
<b>Emergency Contact Information:</b>	3E 24 Hour Emergency Contact W.M. Barr Customer Service	(800)451-8346 (800)398-3892
<b>Intended Use:</b>	Paint, stain, and varnish thinning.	
<b>Synonyms:</b>	GME71SUB, QME71SUB, CME71SUB	
<b>Additional Information</b>	This product is regulated by the United States Consumer Product Safety Commission and is subject to certain labeling requirements under the Federal Hazardous Substances Act. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS). The product label also includes other important information, including directions for use, and should always be read in its entirety prior to using the product.	

## 2. HAZARDS IDENTIFICATION

**Flammable Liquids, Category 2**  
**Serious Eye Damage/Eye Irritation, Category 2**  
**Specific Target Organ Toxicity (single exposure), Category 3**



<b>GHS Signal Word:</b>	<b>Danger</b>
<b>GHS Hazard Phrases:</b>	H225: Highly flammable liquid and vapor. H319: Causes serious eye irritation. H335: May cause respiratory irritation.
<b>GHS Precaution Phrases:</b>	P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P233: Keep container tightly closed. P240: Ground/bond container and receiving equipment. P241: Use explosion-proof electrical/ventilating/lighting equipment. P242: Use only non-sparking tools. P243: Take precautionary measures against static discharge. P261: Avoid breathing gas/mist/vapors/spray. P264: Wash hands thoroughly after handling. P271: Use only outdoors or in a well-ventilated area. P280: Wear protective gloves/protective clothing/eye protection/face protection. P235: Keep cool.
<b>GHS Response Phrases:</b>	P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312: Call a POISON CENTER or doctor/physician if you feel unwell. P337+313: If eye irritation persists, get medical advice/attention. P370+378: In case of fire, use dry chemical powder to extinguish.
<b>GHS Storage and Disposal</b>	P403+233: Store container tightly closed in well-ventilated place.

# SAFETY DATA SHEET

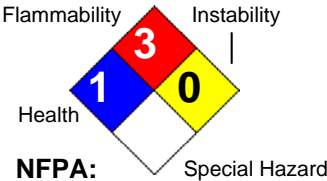
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<b>Phrases:</b>	P405: Store locked up. P501: Dispose of contents/container according to local, state and federal regulations.												
<b>Hazard Rating System:</b>	<table border="1"><tr><td>HEALTH</td><td>-</td><td>1</td></tr><tr><td>FLAMMABILITY</td><td>3</td><td></td></tr><tr><td>PHYSICAL</td><td>0</td><td></td></tr><tr><td>PPE</td><td></td><td>X</td></tr></table>  <p><b>NFPA:</b></p>	HEALTH	-	1	FLAMMABILITY	3		PHYSICAL	0		PPE		X
HEALTH	-	1											
FLAMMABILITY	3												
PHYSICAL	0												
PPE		X											
<b>HMIS:</b>													
<b>OSHA Regulatory Status:</b>	This material is classified as hazardous under OSHA regulations.												
<b>Potential Health Effects (Acute and Chronic):</b>	Causes eye irritation.  High vapor concentrations may cause drowsiness and irritation of the eyes or respiratory tract.  Prolonged or repeated skin contact may cause drying, cracking, or irritation.												
<b>Medical Conditions Generally Aggravated By Exposure:</b>	None known.												

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration	RTECS #
141-78-6	Acetic acid, ethyl ester {Ethyl acetate}	100.0 %	AH5425000

### 4. FIRST AID MEASURES

<b>Emergency and First Aid Procedures:</b>	<p><b>Skin:</b> Immediately begin washing the skin thoroughly with large amounts of water and mild soap, if available, while removing contaminated clothing. Seek medical attention if irritation persists.</p> <p><b>Eyes:</b> Immediately begin to flush eyes with water, remove any contact lens. Continue to flush the eyes for at least 15 minutes, then seek immediate medical attention.</p> <p><b>Inhalation:</b> Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.</p> <p><b>Ingestion:</b> If swallowed, do NOT induce vomiting. Seek immediate medical attention. Call a physician, hospital emergency room, or poison control center immediately. Never give anything by mouth to an unconscious person.</p>
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## 5. FIRE FIGHTING MEASURES

<b>Flammability Classification:</b>	NFPA Class 1B
<b>Flash Pt:</b>	24.00 F Method Used: TAG Closed Cup
<b>Explosive Limits:</b>	LEL: 2.2 UEL: 9
<b>Autoignition Pt:</b>	485.00 C
<b>Suitable Extinguishing Media:</b>	Water spray, dry chemical, carbon dioxide or foam.
<b>Unsuitable Extinguishing Media:</b>	None known.
<b>Fire Fighting Instructions:</b>	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. Water spray may be ineffective in fighting the fire.
<b>Flammable Properties and Hazards:</b>	Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	<p>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. Use non-sparking tools. Use proper bonding and grounding methods for all equipment and processes. Keep out of waterways and bodies of water. Be cautious of vapors collecting in small enclosed spaces, sewers, low lying areas, confined spaces, etc.</p> <p>Small spills: Take up with sand, earth or other noncombustible absorbent material and place in a plastic container where applicable.</p> <p>Large spills: Dike far ahead of spill for later disposal.</p> <p>Waste Disposal: Dispose in accordance with applicable local, state and federal regulations.</p>
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## 7. HANDLING AND STORAGE

<b>Precautions To Be Taken in Handling:</b>	<p>AVOID BREATHING VAPOR</p> <p>Avoid prolonged or repeated contact with skin.</p> <p>Use with adequate ventilation.</p> <p>Wash thoroughly with soap and water after handling.</p> <p>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.</p>
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Dispose of empty container according to all regulations. Do not reuse this container.

Do not use this product near any source of heat or open flame, furnace areas, pilot lights, stoves, etc.

Do not use in small enclosed spaces, such as basements and bathrooms. Vapors can accumulate and explode if ignited.

Do not spread this product over large surface areas because fire and health safety risks will increase dramatically.

### Precautions To Be Taken in Storing:

Keep away from heat, sparks and flame.

Keep container tightly closed.

Keep from contact with oxidizing materials.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
141-78-6	Acetic acid, ethyl ester {Ethyl acetate}	PEL: 400 ppm	TLV: 400 ppm	No data.

### Respiratory Equipment (Specify Type):

For use in areas with inadequate ventilation or fresh air, wear a properly maintained and properly fitted NIOSH approved respirator for organic solvent vapors.

For OSHA controlled work places and other regular users - Use only with adequate ventilation under engineered air control systems designed to prevent exceeding the appropriate TLV.

A dust mask does not provide protection against vapors.

### Eye Protection:

Safety glasses should be worn during normal handling of this material.

Where contact with the eyes or face is likely, a faceshield or chemical splash goggles should be worn to prevent eye contact.

### Protective Gloves:

Wear gloves with as much resistance to the chemical ingredients as possible. Glove materials such as nitrile rubber may provide protection. Glove selection should be based on chemicals being used and conditions of use. Consult your glove supplier for additional information. Gloves contaminated with product should be discarded and not reused.

### Other Protective Clothing:

Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure.

### Engineering Controls (Ventilation etc.):

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Use only with adequate ventilation to prevent buildup of vapors. Do not use in areas where vapors can accumulate and concentrate, such as basements, bathrooms or small

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enclosed areas. Whenever possible, use outdoors in an open air area. If using indoors open all windows and doors and maintain 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 and move to fresh air.

**Work/Hygienic/Maintenance Practices:** Clothing that becomes soiled with product should be removed as soon as possible and laundered separately.

Wash hands thoroughly after use and before eating, drinking, or smoking.

Do not eat, drink, or smoke in the work area.

Discard any clothing or other protective equipment that cannot be decontaminated.

Facilities storing or handling this material should be equipped with an emergency eyewash and safety shower.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical States:** [ ] Gas [ X ] Liquid [ ] Solid

**Appearance and Odor:** Clear liquid, sweet odor

**Melting Point:** 83.00 C

**Boiling Point:** 78.00 C

**Autoignition Pt:** 485.00 C

**Flash Pt:** 24.00 F Method Used: TAG Closed Cup

**Explosive Limits:** LEL: 2.2 UEL: 9

**Specific Gravity (Water = 1):** .8955 - .8985

**Density:** 7.44 - 7.468 LB/GL

**Vapor Pressure (vs. Air or mm Hg):** 75 MM HG at 68.0 F

**Vapor Density (vs. Air = 1):** 3.04 (Air=1)

**Evaporation Rate:** 4.1 (BuAC=1)

**Solubility in Water:** 64 g/l at 25.0 C

**Viscosity:** .44 CP at 25.0 C

**Octanol/Water Partition Coefficient:** 0.73

**Percent Volatile:** 99.95 % by weight.

**VOC / Volume:** 898.9000 G/L

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### 10. STABILITY AND REACTIVITY

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

**Conditions To Avoid - Instability:** No data available.

**Incompatibility - Materials To Avoid:** Incompatible with 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.

### 11. TOXICOLOGICAL INFORMATION

**Toxicological Information:** Refer to section 2 for acute and chronic health effects.

CAS# 141-78-6:  
Standard Draize Test, Eyes, Human, 400.0 PPM.  
Result:  
Liver: Hepatitis (hepatocellular necrosis), zonal.  
- Journal of Industrial Hygiene and Toxicology, Vol/p/yr: 25,282, 1943

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
141-78-6	Acetic acid, ethyl ester {Ethyl acetate}	n.a.	n.a.	n.a.	n.a.

### 12. ECOLOGICAL INFORMATION

No data available.

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose in accordance with applicable local, state and federal regulations.

### 14. TRANSPORT INFORMATION

#### LAND TRANSPORT (US DOT):

**DOT Proper Shipping Name:** Ethyl acetate  
**DOT Hazard Class:** 3 FLAMMABLE LIQUID  
**UN/NA Number:** UN1173 **Packing Group:** II



**Additional Transport Information:** The shipper/supplier may apply one of the following exceptions: Combustible Liquid, Consumer Commodity, Limited Quantity, Viscous Liquid, Does Not Sustain Combustion, or others, as allowed under 49CFR Hazmat Regulations. Please consult 49CFR Subchapter C to ensure that subsequent shipments comply with these exceptions.

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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)
141-78-6	Acetic acid, ethyl ester {Ethyl acetate}	No	Yes 5000 LB	No

**This material meets the EPA**  Yes  No Acute (immediate) Health Hazard  
**'Hazard Categories' defined**  Yes  No Chronic (delayed) Health Hazard  
**for SARA Title III Sections**  Yes  No Fire Hazard  
**311/312 as indicated:**  Yes  No Sudden Release of Pressure Hazard  
 Yes  No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
141-78-6	Acetic acid, ethyl ester {Ethyl acetate}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test; CA PROP.65: No

**16. OTHER INFORMATION**

**Revision Date:** 04/23/2015  
**Preparer Name:** W.M. Barr EHS Dept (901)775-0100

**Additional Information About** No data available.

**This Product:**

**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.