



# Material Safety Data Sheet

**Product Name:**  
Kensol 17  
**Revision Date:**  
03-Mar-2010  
**Revision Number:**  
3

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** 4107  
**Product Name:** Kensol 17  
**Synonyms:** Naphtha/Asphalt Emulsion Solvent  
**Chemical characterization:** Liquid  
**Supplier:** American Refining Group, Inc.  
77 North Kendall Avenue  
Bradford, PA 16701  
www.amref.com  
**Emergency Telephone Number:** CHEMTREC: 1-800-424-9300  
ARG Watchblock: 814-368-1297

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %	TSCA	DSL
Naphtha (petroleum), hydrotreated heavy	64742-48-9	100	Present	Present

## 3. HAZARDS IDENTIFICATION

### Emergency Overview

- This product may be irritating to skin, eyes, nose, throat, and lungs. Use all necessary personal protection when handling this material.

### Eye contact

### Skin contact

### Inhalation

- Contact with eyes may cause irritation
- This product may cause skin irritation
- Avoid breathing vapors or mists
- Inhalation of high concentrations may cause central nervous system depression, dizziness, headache, or nausea, as well as kidney damage and pulmonary edema.
- Aspiration of this material into the lungs can cause chemical pneumonitis, which can be fatal.

### 3. HAZARDS IDENTIFICATION

<b>Ingestion</b>	<ul style="list-style-type: none"> <li>Ingestion may cause irritation of mouth, throat, and upset stomach.</li> <li>Ingestion may cause nausea, vomiting, and diarrhea.</li> </ul>
<b>General advice</b>	<ul style="list-style-type: none"> <li>As with any chemical, use caution when handling product.</li> </ul>

### 4. FIRST AID MEASURES

<b>General Advice</b>	<ul style="list-style-type: none"> <li>Immediate medical attention is not required</li> <li>If exposure symptoms persist, seek medical attention.</li> <li>Show this safety data sheet to the doctor in attendance</li> </ul>
<b>Skin Contact</b>	<ul style="list-style-type: none"> <li>Immediate medical attention is not required</li> <li>Wash off immediately with soap and plenty of water.</li> <li>Seek medical attention if effects persists.</li> </ul>
<b>Eye Contact</b>	<ul style="list-style-type: none"> <li>Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes</li> <li>Keep eye wide open while rinsing</li> <li>If exposure symptoms persist, seek medical attention.</li> </ul>
<b>Inhalation</b>	<ul style="list-style-type: none"> <li>Immediate medical attention is not required</li> <li>Move to fresh air in case of accidental inhalation of vapours or decomposition products</li> <li>If exposure symptoms persist, seek medical attention.</li> </ul>
<b>Ingestion</b>	<ul style="list-style-type: none"> <li>Do not swallow. Rinse mouth with water and afterwards drink plenty of water.</li> <li>Do not induce vomiting without medical advice</li> <li>Never give anything by mouth to an unconscious person</li> <li>Consult a physician</li> </ul>
<b>Notes to Physician</b>	<ul style="list-style-type: none"> <li>Treat symptomatically</li> </ul>
<b>Protection of First-aiders</b>	<ul style="list-style-type: none"> <li>Use necessary personal protective equipment</li> </ul>
<b>Aggravated Medical Conditions</b>	<ul style="list-style-type: none"> <li>Users with skin conditions (eczema, psoriasis, etc.) respiratory conditions (asthma, bronchitis, emphysema, etc.) or with chemical sensitivities should take protective precautions.</li> </ul>

### 5. FIRE-FIGHTING MEASURES

<b>Flash Point</b>	<ul style="list-style-type: none"> <li>-4°C / 25°F</li> </ul>
<b>Suitable Extinguishing Media</b>	<ul style="list-style-type: none"> <li>carbon dioxide (CO<sub>2</sub>)</li> <li>water fog</li> <li>alcohol-resistant foam</li> <li>dry chemical</li> </ul>
<b>Extinguishing media which must not be used for safety reasons</b>	<ul style="list-style-type: none"> <li>Water, except as fog</li> </ul>
<b>Special exposure hazards in a fire</b>	<ul style="list-style-type: none"> <li>Keep product and empty container away from heat and sources of ignition</li> </ul>
<b>Special Protective Equipment</b>	<ul style="list-style-type: none"> <li>As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear</li> </ul>
<b>Specific Methods Firefighting</b>	<ul style="list-style-type: none"> <li>In the event of fire, cool tanks with water spray</li> <li>Use spark-proof tools and explosion-proof equipment</li> <li>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations</li> </ul>
<b>NFPA</b>	<ul style="list-style-type: none"> <li>Health=1, Fire=3, Reactivity=0, Special=0</li> </ul>

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	<ul style="list-style-type: none"> <li>• Evacuate personnel to safe areas</li> <li>• Keep people away from and upwind of spill/leak</li> <li>• Take precautionary measures against static discharges</li> <li>• Wear personal protective equipment</li> <li>• Pay attention to flashback</li> <li>• Remove all sources of ignition</li> </ul>
<b>Environmental Precautions</b>	<ul style="list-style-type: none"> <li>• Prevent further leakage or spillage if safe to do so</li> <li>• Prevent product from entering drains</li> </ul>
<b>Methods for Cleaning Up</b>	<ul style="list-style-type: none"> <li>• Dam up</li> <li>• Soak up with inert absorbent material</li> <li>• Pick up and transfer to properly labelled container for disposal.</li> <li>• Take precautionary measures against static discharges</li> <li>• Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container</li> </ul>

## 7. HANDLING AND STORAGE

### Handling

<b>Technical Measures Handling</b>	<ul style="list-style-type: none"> <li>• Use only in areas provided with adequate ventilation.</li> <li>• To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded</li> <li>• Keep away from open flames, hot surfaces and sources of ignition</li> </ul>
<b>Safe Handling Advice</b>	<ul style="list-style-type: none"> <li>• Wear personal protective equipment</li> <li>• Do not breathe vapours or spray mist. Ensure that ventilation is adequate before using this product.</li> <li>• Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours)</li> <li>• Use product only in closed system</li> </ul>

### Storage

<b>Technical Measures Storage</b>	<ul style="list-style-type: none"> <li>• Keep containers tightly closed; discard any material that may be contaminated or, which may have changed composition.</li> <li>• Keep away from heat</li> <li>• Protect from light</li> <li>• Keep in properly labelled containers.</li> </ul>
<b>Incompatible Products</b>	<ul style="list-style-type: none"> <li>• No information available</li> </ul>

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Engineering Measures

- Ensure adequate ventilation, especially in confined areas
- As a rule, at least 10 air changes per hour are recommended at the workplace

### Personal Protective Equipment

#### Hand Protection

- Impervious gloves

#### Eye Protection

- Wear tightly fitting safety goggles or safety glasses with side-shields

#### Respiratory Protection

- In case of insufficient ventilation, wear suitable respiratory equipment

#### Skin And Body Protection

- Long sleeved clothing

#### General Hygiene Considerations

- Handle in accordance with good industrial hygiene and safety practice
- Keep away from food, drink and animal feeding stuffs
- When using, do not eat, drink or smoke

### Environmental exposure controls

- No information available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

#### Physical State

Liquid

#### Color

Colorless

#### Odor

Hydrocarbon solvent

### Important Health Safety and Environmental Information

#### Boiling Point/Range

80°C / 176°F

#### Pour Point

NA°C / NA°F

#### Vapor Pressure

50-100 mm Hg @ 20C

#### Density

6.2 lbs/gallon

#### Water Solubility

Insoluble

#### Specific Gravity

0.74

## 10. STABILITY AND REACTIVITY

### Stability

- Stable under normal conditions
- Polymerization does not occur

### Conditions to Avoid

- Heat, flames and sparks
- Strong oxidizing agents

### Materials to avoid

- Incompatible with strong oxidizers, such as hydrogen peroxide, bromine, and chromic acid

### Hazardous Decomposition Products

- When burned :carbon dioxide, carbon monoxide, hydrocarbons

### Hazardous Polymerization

- No information available

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

<b>LD50 Oral Rat</b>	>2000 mg/kg
<b>Skin irritation</b>	Irritating to skin
<b>Eye irritation</b>	May cause eye irritation.
<b>Inhalation Toxicity</b>	Inhalation may cause mild irritation of respiratory tract. Move to fresh air in case of accidental inhalation
<b>Ingestion Toxicity</b>	Ingestion may cause irritation of mouth, throat, and upset stomach. Nausea, Vomiting, Diarrhea (detersive effects)
<b>Sensitization</b>	May cause sensitization of susceptible persons

### Chronic Toxicity

<b>Carcinogenic effects</b>	This product contains benzene which is a known carcinogen.
<b>Mutagenic Effects</b>	No information available
<b>Reproductive Effects</b>	No information available
<b>Target Organ Effects</b>	No information available

## 12. ECOLOGICAL INFORMATION

### Product Information

**Aquatic toxicity** • Generally not expected to be toxic to aquatic life.

### Other information

<b>Ozone Depletion Potential</b>	• No information available
<b>Global warming potential (GWP)</b>	• No information available
<b>Additional Ecological Information</b>	• No information available
<b>Mobility</b>	• No information available
<b>Bioaccumulative Potential</b>	• No information available
<b>Ecotoxicity effects</b>	• No information available

## 13. DISPOSAL CONSIDERATIONS

<b>Waste From Residues/Unused Products</b>	• Dispose of in accordance with local regulations
<b>Contaminated Packaging</b>	• Dispose of in accordance with local regulations

## 14. TRANSPORT INFORMATION

### DOT

<b>Description</b>	UN 1268, PETROLEUM DISTILLATES, N.O.S. (NAPHTHA), 3 (FLAMMABLE LIQUID), PG II, ERG 128
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**Other information**

Freight Classification: Petroleum Distillate - Flammable Liquid

**15. REGULATORY INFORMATION****U.S. Inventories**

Component	TSCA	CAS-No	Weight %
Naphtha (petroleum), hydrotreated heavy	Present	64742-48-9	100

**International Inventories**

Component	DSL	EINECS	ENCS	KECL	CHINA	AICS	PICCS
Naphtha (petroleum), hydrotreated heavy	Present	265-150-3		X KE-25622		X	X

Freight Classification: Petroleum Distillate - Flammable Liquid

**16. OTHER INFORMATION****Literary Reference**

None

**Prepared By**

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