



Material Safety Data Sheet

Product Name:
Kensol 10
Revision Date:
03-Mar-2010
Revision Number:
1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: 4102
Product Name: Kensol 10
Synonyms: Stove/Lantern Fuel
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	45-55	Present	Present
Distillates, petroleum, hydrotreated heavy naphtha, deisohexanizer overheads	68410-98-0	45-55	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

- Contact with eyes may cause irritation

Skin contact

- This product may cause skin irritation

3. HAZARDS IDENTIFICATION

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

4. FIRST AID MEASURES

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

5. FIRE-FIGHTING MEASURES

Flash Point	<ul style="list-style-type: none"> • -34°C / -30°F
Suitable Extinguishing Media	<ul style="list-style-type: none"> • carbon dioxide (CO₂) • water fog • alcohol-resistant foam • dry chemical
Extinguishing media which must not be used for safety reasons	<ul style="list-style-type: none"> • Water, except as fog
Special exposure hazards in a fire	<ul style="list-style-type: none"> • Keep product and empty container away from heat and sources of ignition
Special Protective Equipment	<ul style="list-style-type: none"> • As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
Specific Methods Firefighting	<ul style="list-style-type: none"> • In the event of fire, cool tanks with water spray • Use spark-proof tools and explosion-proof equipment • Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations

5. FIRE-FIGHTING MEASURES

NFPA • Health=1, Fire=3, Reactivity=0, Special=0

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

Handling

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

Storage

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

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

38°C / 100°F

Pour Point

-42°C / -44°F

Vapor Pressure

150-250 mm Hg @ 20C

Density

5.9 lbs/gallon

Water Solubility

Insoluble

Specific Gravity

0.71

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

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

Chronic Toxicity

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

12. ECOLOGICAL INFORMATION

Product Information

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

Other information

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

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

DOT

Description	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	45-55
Distillates, petroleum, hydrotreated heavy naphtha, deisohexanizer overheads	Present	68410-98-0	45-55

International Inventories

Component	DSL	EINECS	ENCS	KECL	CHINA	AICS	PICCS
Naphtha (petroleum), hydrotreated heavy	Present	265-150-3		X KE-25622		X	X
Distillates, petroleum, hydrotreated heavy naphtha, deisohexanizer overheads	Present	270-094-8		X KE-12542		X	

FREIGHT CLASSIFICATION: Petroleum Distillate - Flammable Liquid

16. OTHER INFORMATION

Literary Reference

None

Prepared By

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