



Material Safety Data Sheet

Product Name:
Kensol TCS
Revision Date:
03-Sep-2009
Revision Number:
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1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: 4194
Product Name: Kensol TCS
Chemical characterization: Liquid
Supplier: American Refining Group, Inc.
Lubricants and Specialty Products Division
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
Petroleum distillates, hydrotreated middle	64742-46-7	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

• Contact with eyes may cause irritation

Skin contact

• Can cause skin irritation.

Inhalation

• Avoid breathing vapors or mists

• Inhalation may cause mild irritation of respiratory tract.

Ingestion

• Ingestion may cause nausea, vomiting, and diarrhea.

3. HAZARDS IDENTIFICATION

General advice	<ul style="list-style-type: none"> • STATIC ACCUMULATING LOW CONDUCTIVITY SOLVENT (<10pS/m) <p>This liquid may form an ignitable vapor-air mixture in closed tanks or containers. Bonding and grounding may be insufficient to remove static electricity. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants.</p> <p>Restrict flow velocity to avoid build-up of static charge.</p> <p>Refer to NFPA 77, API 2003, and CENELEC CLC/TR 50404 for further guidance.</p>
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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 • Wash off immediately with soap and plenty of water • Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes • If eye irritation persists, seek medical attention • Move to fresh air. • If exposure symptoms persist, seek medical attention. • Do not swallow. Rinse mouth with water and afterwards drink plenty of water. • Never give anything by mouth to an unconscious person • Consult a physician if necessary • Treat symptomatically • Use necessary personal protective equipment • Users with skin conditions (eczema, psoriasis, etc..) respiratory conditions (asthma, bronchitis, emphysema, etc..) or with chemical sensitivities should take protective precautions.
Skin Contact	
Eye Contact	
Inhalation	
Ingestion	
Notes to Physician	
Protection of First-aiders	
Aggravated Medical Conditions	

5. FIRE-FIGHTING MEASURES

96°C / 205°F

Suitable Extinguishing Media	<ul style="list-style-type: none"> • carbon dioxide (CO₂) • water fog • alcohol-resistant foam • dry chemical • Water, except as fog
Extinguishing media which must not be used for safety reasons	
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
NFPA	<ul style="list-style-type: none"> • Health=0, Fire=1, Reactivity=0, Special=0

6. ACCIDENTAL RELEASE MEASURES

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Personal Precautions	<ul style="list-style-type: none"> • Evacuate personnel to safe areas • Keep people away from and upwind of spill/leak • Wear personal protective equipment • Remove all sources of ignition • Ensure adequate ventilation • Floors may be slippery
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. • 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. • 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.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures	<ul style="list-style-type: none"> • Ensure adequate ventilation, especially in confined areas • As a rule, at least 10 air changes per hour are recommended at the workplace
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Personal Protective Equipment

Hand Protection	<ul style="list-style-type: none"> • Impervious gloves
Eye Protection	<ul style="list-style-type: none"> • Wear tightly fitting safety goggles or safety glasses with side-shields
Respiratory Protection	<ul style="list-style-type: none"> • When workers are facing concentrations above the exposure limit they must use appropriate certified respirators
Skin And Body Protection	<ul style="list-style-type: none"> • Long sleeved clothing
General Hygiene Considerations	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • No information available

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical State	Liquid
Color	Off-white
Odor	Mild hydrocarbon solvent

Important Health Safety and Environmental Information

Boiling Point/Range	240°C / 465°F
Pour Point	-30°C / -22°F
Density	6.7 lbs/gallon
Water Solubility	Insoluble
Specific Gravity	0.80

10. STABILITY AND REACTIVITY

Stability	<ul style="list-style-type: none"> • Stable under normal conditions
Conditions to Avoid	<ul style="list-style-type: none"> • Heat, flames and sparks
Materials to avoid	<ul style="list-style-type: none"> • None
Hazardous Decomposition Products	<ul style="list-style-type: none"> • None under normal use
Hazardous Polymerization	<ul style="list-style-type: none"> • When burned :carbon dioxide, carbon monoxide, hydrocarbons • Polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

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

Chronic Toxicity

Carcinogenic effects	Did not show carcinogenic or teratogenic effects in animal experiments, based on testing of similar materials..
Mutagenic Effects	Does not exhibit mutagenic effects, based on testing of similar materials.
Reproductive Effects	No information available
Target Organ Effects	No information available

12. ECOLOGICAL INFORMATION

Product Information

Aquatic toxicity • No information available

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 Not Regulated

15. REGULATORY INFORMATION

U.S. Inventories

Component	TSCA	CAS-No	Weight %
Petroleum distillates, hydrotreated middle	Present	64742-46-7	100

International Inventories

Component	DSL	EINECS	ENCS	KECL	CHINA	AICS	PICCS
Petroleum distillates, hydrotreated middle	Present	265-148-2		X KE-12554		X	X

16. OTHER INFORMATION

Literary Reference None

Prepared By Monica C. Mathers, Product Compliance Coordinator