



# Material Safety Data Sheet

**Product Name:**  
Grade No 1 Diesel S-500  
Undyed

**Revision Date:**  
04-Mar-2010

**Revision Number:**  
3

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** 8102  
**Product Name:** Grade No 1 Diesel S-500 Undyed  
**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
Kerosene	8008-20-6	100	Present	Present

## 3. HAZARDS IDENTIFICATION

### Emergency Overview

- Combustible material
- Harmful if swallowed.
- 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

- May be toxic if swallowed
- Ingestion may cause nausea, vomiting, and diarrhea.

### General advice

- As with any chemical, use caution when handling

#### 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>• Wash off immediately with soap and plenty of water</li> </ul>
<b>Eye Contact</b>	<ul style="list-style-type: none"> <li>• Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes</li> <li>• If eye irritation persists, seek medical attention</li> </ul>
<b>Inhalation</b>	<ul style="list-style-type: none"> <li>• Move to fresh air.</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>• Never give anything by mouth to an unconscious person</li> <li>• Consult a physician if necessary</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>• 38°C / 100°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> </ul>
<b>NFPA</b>	<ul style="list-style-type: none"> <li>• Health=1, Fire=2, 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>• Wear personal protective equipment</li> <li>• Remove all sources of ignition</li> <li>• Ensure adequate ventilation</li> <li>• Floors may be slippery</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>

## 6. ACCIDENTAL RELEASE MEASURES

<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>• Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container</li> </ul>
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## 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>• Keep away from open flames, hot surfaces and sources of ignition</li> </ul>
<b>Safe Handling Advice</b>	

### 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>	

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

<b>Hand Protection</b>	<ul style="list-style-type: none"> <li>• Impervious gloves</li> </ul>
<b>Eye Protection</b>	
<b>Respiratory Protection</b>	<ul style="list-style-type: none"> <li>• When workers are facing concentrations above the exposure limit they must use appropriate certified respirators</li> </ul>
<b>Skin And Body Protection</b>	
<b>General Hygiene Considerations</b>	
<b>Environmental exposure controls</b>	<ul style="list-style-type: none"> <li>• No information available</li> </ul>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

<b>Physical State</b>	Liquid
<b>Color</b>	Off-white
<b>Odor</b>	Hydrocarbon solvent

**Important Health Safety and Environmental Information**

<b>Boiling Point/Range</b>	>163°C / >325°F
<b>Pour Point</b>	-34°C / -30°F
<b>Vapor Density</b>	5.4
<b>Vapor Pressure</b>	1 mm Hg @ 20°C
<b>Density</b>	7.1 lbs/gallon
<b>Water Solubility</b>	Insoluble
<b>Specific Gravity</b>	0.85

**10. STABILITY AND REACTIVITY**

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

**11. TOXICOLOGICAL INFORMATION****Acute Toxicity**

<b>LD50 Dermal Rat</b>	>2000 mg/kg
<b>LD50 Oral Rat</b>	>5000 mg/kg
<b>LC50 Inhalation</b>	>5000 mg/L
<b>Skin irritation</b>	May cause skin irritation.
<b>Eye irritation</b>	May cause eye irritation.
<b>Inhalation Toxicity</b>	Move to fresh air in case of accidental inhalation
<b>Ingestion Toxicity</b>	Harmful if swallowed Maybe toxic if swallowed Nausea, Vomiting, Diarrhea (detersive effects)
<b>Sensitization</b>	May cause sensitization of susceptible persons

**Chronic Toxicity**

<b>Carcinogenic effects</b>	Diesel fuel exhaust has been classified as a Group 2A by IARC..
<b>Mutagenic Effects</b>	Does not exhibit mutagenic effects, based on testing of similar materials.
<b>Reproductive Effects</b>	Does not exhibit reproductive toxicity, based on testing of similar materials.
<b>Target Organ Effects</b>	No information available

**12. ECOLOGICAL INFORMATION**

**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**

- This product is not readily biodegradable in water but are inherently biodegradable based on test results of similar products.

**Mobility**

- No information available

**Bioaccumulative Potential**

- Low Log Kow values for the hydrocarbon components, indicate a potential for bioaccumulation.

**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**

NA 1993, DIESEL FUEL, 3 (COMBUSTIBLE), PG III, ERG 128

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

Component	TSCA	CAS-No	Weight %
Kerosene	Present	8008-20-6	100

**International Inventories**

Component	DSL	EINECS	ENCS	KECL	CHINA	AICS	PICCS
Kerosene	Present	232-366-4		X KE-21778		X	X

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

None

**Prepared By**

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