



**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING**

**Product Number** 8104  
**Product Name** #2 Diesel Fuel - Dyed  
**Synonyms**  
**Chemical characterization** Liquid.  
**Manufacturer, importer, supplier** American Refining Group, Inc.  
 Lubricants and Specialty Products Division  
 77 North Kendall Avenue  
 Bradford, PA 16701  
**EMERGENCY TELEPHONE NUMBER** CHEMTREC: 1-800-424-9300

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

CAS	Chemical Name	% Weight	TSCA*	DSL - Canada*	ACGIH*
68476-34-6	Fuels, diesel, no. 2	100	Present	Present	100 mg/m3 TWA (vapor and aerosol, as total hydrocarbons)

\* TSCA - United States - Section 8 (b) Inventory (TSCA)

\* DSL - Canada - Domestic Substances List (DSL)

\* ACGIH - Occupational Exposure Limits - TWA's

**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.

<b>Eye contact</b>	Contact with eyes may cause irritation.
<b>Skin contact</b>	Can cause skin irritation.
<b>Inhalation</b>	Avoid breathing vapors or mists. Inhalation may cause mild irritation of respiratory tract. .
<b>Ingestion</b>	May be toxic if swallowed. Ingestion may cause nausea, vomiting, and diarrhea.
<b>General advice</b>	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> </ul>

	<ul style="list-style-type: none"> <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>● 125°F/52°C (summer) 100°F/38°C (winter)</li> </ul>
<b>Suitable extinguishing media</b>	<ul style="list-style-type: none"> <li>● carbon dioxide (CO2)</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 arising from the substance or preparation itself, its combustion products, or released gases</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 for firefighters</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</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 (National Fire Protection Association)</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>
<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>

## 7. HANDLING AND STORAGE

### Handling

<b>Technical measures/Precautions</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>	<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> </ul>

### Storage

<b>Technical measures/Precautions</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> </ul>
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	<ul style="list-style-type: none"> <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

<b>Engineering measures</b>	<ul style="list-style-type: none"> <li>Ensure adequate ventilation, especially in confined areas</li> </ul>
<b>Personal protective equipment</b>	
<b>Hand protection</b>	<ul style="list-style-type: none"> <li>impervious gloves</li> </ul>
<b>Eye protection</b>	<ul style="list-style-type: none"> <li>Wear tightly fitting safety goggles or safety glasses with side-shields</li> </ul>
<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>	<ul style="list-style-type: none"> <li>Long sleeved clothing</li> </ul>
<b>Hygiene measures</b>	<ul style="list-style-type: none"> <li>Handle in accordance with good industrial hygiene and safety practice</li> <li>Keep away from food, drink and animal feeding stuffs</li> <li>When using, do not eat, drink or smoke</li> </ul>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

<b>Form</b>	Liquid.
<b>Appearance</b>	Clear.
<b>Colour</b>	Red.
<b>Odour</b>	Hydrocarbon solvent.

### Important Health Safety and Environmental Information

<b>Boiling Point</b>	>205°C / >400°F
<b>Pour Point</b>	-18°C / 0°F
<b>Vapor Pressure</b>	<1 mm Hg @ 20°C.
<b>Density</b>	7.3 lbs/gallon
<b>Vapour density</b>	7.4.
<b>Water solubility</b>	Insoluble.
<b>Specific Gravity</b>	0.88.

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions.
<b>Conditions to avoid</b>	Heat, flames and sparks
<b>Materials to avoid</b>	None.
<b>Hazardous decomposition products</b>	None under normal use. When burned :carbon dioxide, carbon monoxide, hydrocarbons.
<b>Polymerization</b>	Polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

### Component Information

### Product Information

<b>LD50/dermal/rat =</b>	>2000 mg/kg
<b>LD50/oral/rat =</b>	>5000 mg/kg
<b>LC50/inhalation/8h/rat =</b>	>5000 mg/L
<b>Local effects</b>	
<b>Skin irritation</b>	May cause skin irritation.
<b>Eye irritation</b>	May cause eye irritation.
<b>Inhalation</b>	Move to fresh air in case of accidental inhalation .
<b>Ingestion</b>	Harmful if swallowed. Maybe toxic if swallowed. Nausea, Vomiting, Diarrhea

	(deterasive effects).
<b>Sensitization</b>	May cause sensitization of susceptible persons.
<b>Chronic toxicity</b>	Prolonged exposure may cause chronic effects.
<b>Specific effects</b>	
<b>Carcinogenic effects</b>	Studies conducted by the American Petroleum Institute have shown that certain representative middle distillate products have been found to be weakly to moderately tumorigenic or carcinogenic in laboratory animals when applied to the skin repeatedly without washing between applications in long term bioassays. The Kensol distillates, which are Pennsylvania grade middle distillate products, were not included in the American Petroleum Institute studies. The Kensol distillates are not listed as carcinogens by the IARC and NTP, nor are they included in the OSHA list of carcinogens. In accordance with OSHA Instructions CPL2-2.38A dated May 16, 1986, this product does not require a cancer hazard warning label.
<b>Mutagenic effects</b>	Does not exhibit mutagenic effects, based on testing of similar materials.
<b>Reproductive toxicity</b>	Does not exhibit reproductive toxicity, based on testing of similar materials.
<b>Target Organ Effects</b>	No information available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity effects

### Component Information

### Product Information

### Other information:

<b>Ozone depletion potential; ODP; (R-11 = 1)</b>	No information available.
<b>Global warming potential (GWP)</b>	No information available.
<b>Additional ecological information</b>	This product is not readily biodegradable in water but are inherently biodegradable based on test results of similar products.
<b>Mobility</b>	No information available
<b>Bioaccumulative potential</b>	Low Log Kow values for the hydrocarbon components, indicate a potential for bioaccumulation.
<b>Ecotoxicity effects</b>	No information available
<b>Aquatic toxicity</b>	The major loss process would be volatilization with biodegradation expected to only contribute slightly.

## 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

<b>DOT</b>	
<b>UN-No</b>	UN1223
<b>Proper shipping name</b>	Kerosene
<b>Packing group</b>	III
<b>Hazard Class</b>	3, Combustible Liquid
<b>Description</b>	DOMESTIC: unregulated by DOT if shipped in container of less than 199 gallons

## 15. REGULATORY INFORMATION

### U.S. Inventories

CAS	Chemical Name	% Weight	TSCA*
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68476-34-6	Fuels, diesel, no. 2	100	Present						
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\* TSCA - United States - Section 8 (b) Inventory (TSCA)

### International Inventories

CAS	Chemical Name	% Weight	DSL - Canada*	EINECS*	ECL*	ENCS*	IECS - Inventory of Existing Chemical Substances*	AICS - Australia*	PICCS*
68476-34-6	Fuels, diesel, no. 2	100	Present	270-676-1	KE-17287	N/A	Present	Present	Present

\* DSL - Canada - Domestic Substances List (DSL)

\* EINECS - European Inventory of Existing Commercial Substances (EINECS)

\* ECL - Korea - Existing and Evaluated Chemical Substances (ECL)

\* ENCS - Japan Existing and New Chemical Substances (ENCS)

\* IECS - Inventory of Existing Chemical Substances - China

\* AICS - Australia - Inventory of Chemical Substances (AICS)

\* PICCS - Philippines - Inventory of Chemicals and Chemical Substances (PICCS)

### 16. OTHER INFORMATION

#### Prepared By

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#### Notice

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.

End of Safety Data Sheet