CITGO PETROLEUM CORPORATION
P. O. Box 3758
Tulsa, Oklahoma  74102

MATERIAL SAFETY DATA SHEET

Trade Name:  CITGO No. 2 Fuel Oil
Commodity Code:  13-001
Synonyms:  Petroleum Distillate
CAS No.:  Mixture
(Refer to Section 1)
Citgo Index No. (CIN):  0091
Technical Contact:  (918) 561-5165
Medical Emergency:  (318) 491-6215

MATERIAL HAZARD EVALUATION

Health:  Harmful or fatal if swallowed.

Precautionary Statement:  Combustible liquid. Avoid prolonged breathing of vapors. DO NOT siphon by mouth. If swallowed, do not induce vomiting - call physician immediately.

I.  GENERIC COMPOSITION/ELEMENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>%</th>
<th>Hazard Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum Distillates</td>
<td>Mixture</td>
<td>~100</td>
<td>Oral:  LDLo(human):  500 mg/kg to 5,000 mg/kg</td>
</tr>
</tbody>
</table>

May contain
Corrosion Inhibitor
Mixtures  <0.01  Does not contribute to toxicity of end product

ND = No Data
NA = Not Applicable

SUBSIDIARY OF THE SOUTHLAND CORPORATION
II. PHYSICAL DATA

Physical Hazard Classification (Per 29 CFR Part 1910.1200)

- X Combustible
- Compressed Gas
- Explosive
- Flammable
- Organic Peroxide
- Oxidizer
- Pyrophoric
- Reactivity
- X Stable
- Unstable

Boiling Point, 760 mmHg, °C(°F): >190(>375)
Melting Point, °C(°F): NA
Vapor Pressure, mmHg (25°C): ND

Specific Gravity (H₂O=1): 0.88
Solubility in H₂O, % By Wt.: Negligible

Vapor Density (Air=1): >1
Evaporation Rate (Butyl Acetate=1): <1

% Volatiles By Vol.: ND
pH of Undiluted Product: ND

Appearance and Odor: Colorless to light yellow liquid, fuel odor.

III. FIRE AND EXPLOSION DATA

Flash Point, COC, °C(°F): 52-85(125-185) NFPA

Flash Point, PM, °C(°F): ND
Health: 2

Fire Point, COC, °C(°F): ND
Fammability: 2
Reactivity: 0

Flammable Limits in Air, % Vol.:
Lower: 1 Upper: 6

Extinguishing Media: CO₂, dry chemical, foam.

Special Fire Fighting Procedure: Wear self-contained breathing apparatus when in a confined area.

Unusual Fire or Explosion Hazard: Material is highly volatile and emits vapors which may be ignited by other ignition sources.

*Citgo assignment based on our evaluation per NFPA guidelines.
Hazard Rating least-0; slight-1; moderate-2; high-3; extreme-4.

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IV. REACTIVITY DATA

Stability: X Stable ___ Unstable

Conditions Contributing to Instability: High Temperature.

Incompatibility: Strong oxidants.

Hazardous Decomposition Products (thermal, unless otherwise specified): CO, CO₂, unburned lower hydrocarbon.

Conditions Contributing to Hazardous Polymerization: None.

V. SPILL OR LEAK PROCEDURES

Procedures if Material is spilled:

Remove sources of ignition, ventilate area, contain spill, absorb small amounts with absorbent material. Report spills as required to appropriate authorities.

Waste Disposal:
It is the responsibility of the user to determine if the material is a hazardous waste at the time of disposal.
Check before disposing to be sure you are in compliance with all applicable laws and regulations.
Chemtrec/RCRA Emergency Number: (800) 424-9341

Protective measures during repair and maintenance of contaminated equipment:
Refer to Section VII - Special Protection Information. Provide sufficient ventilation, eliminate all ignition sources. Wash exposed skin thoroughly with soap and water. Remove soiled clothing. Use polymer gloves if extended direct contact is expected.

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VI. HEALTH HAZARD DATA

Health Hazard Classification (Per 29 CFR Part 1910.1200)

- Carcinogen
- Animal Carcinogen
- Suspect Carcinogen
- Mutagen
- Highly Toxic
- Toxic
- Corrosive
- Irritant
- Sensitizer
- Teratogen
- Target Organ:

Toxicity Summary: Moderate toxic: 1 oz. or more is probably lethal oral dose for 150 lb. human.

Acute Exposure Symptoms

Inhalation: Moderate risk of vapor intoxication. Major risk is enclosed spaces with poor ventilation. Euphoria, lung irritation and edema, headache, dizziness, drowsiness, convulsions, coma, cyanosis, generalized depression.

Dermal Contact: Defatting with drying and cracking - can lead to dermatitis and secondary infection.

Absorption: No probable acute hazard. However, if large areas of the body are affected, symptoms of inhalation may be produced.

Eye Contact: Irritant.

Ingestion: Burning of mouth and upper GI tract, vomiting and diarrhea. Less than 1 oz. with retention: general depression, sedation, respiratory depression, coma. Effects are usually transient.

Chronic Exposure: Skin: drying and cracking (dermatitis)

Inhalation: lung irritation.

Other Special Effects: None.

First Aid and Emergency Procedures for Acute Effect

Inhalation: Remove to fresh air. Respiratory support, if necessary. Seek medical aid.

Dermal: Wash with soap and water. Do not wear heavily contaminated clothing before cleaning.

Eyes: Flush with large volumes of water. Seek medical aid.

Ingestion: Do not induce vomiting. Seek medical aid.

Notes to Physician: Pulmonary aspiration hazard if swallowed and vomiting occurs.

High aspiration risk, careful gastric lavage with tight fitting or cuffed endotracheal tube. Aspiration may cause chemical pneumonitis or lipoid pneumonia.

SUS viscosity at 100°F = -35.

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VII. SPECIAL PROTECTION INFORMATION

Ventilation Requirements: Use in well ventilated area. In confined spaces mechanical ventilation may be required to keep levels of certain components below mandated standards. Responsible individuals should evaluate air concentrations of specific regulated chemicals.

TLV: 5 mg/m³ for mineral oil mist (ACGIH 1985-86).

Specific Personal Protective Equipment:

Respiratory: If high vapors are expected, use respirator approved for organic vapors.

Eyes: Safety goggles, or chemical splash goggles if splashing is anticipated.

Dermal: Oil impervious gloves if frequent or prolonged contact is expected.

Other Clothing or Equipment: Wear body-covering work clothes to avoid prolonged or repeated exposure. Launder soiled work clothes before reuse.

VIII. TRANSPORTATION AND SPECIAL PRECAUTIONS

Hazardous Material Placard/Label: Combustible liquid. Avoid prolonged breathing of vapors. Do not siphon by mouth - harmful or fatal if swallowed. If swallowed do not induce vomiting - call a physician immediately.

Storage: Keep container tightly closed and away from heat, flame, and strong oxidizers.

DOT Information:
- DOT/UN Shipping Name: Fuel Oil.
- DOT Hazard Class: Combustible Liquid.
- DOT/UN Hazard Identification Number: NA 1993.
- DOT Shipping Container Restrictions: None.

Caution: Empty containers may contain product residue which could include flammable or explosive vapors.

Consult appropriate Federal, State and Local authorities before reusing, reconditioning, reclaiming, recycling or disposing of empty containers and/or waste residues of this product.

All statements, information, and data provided in this material safety data sheet are believed to be accurate and reliable, but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied, on our part. Users should make their own investigations to determine the suitability of the information or products for their particular purpose. Nothing contained herein is intended as permission, inducement or recommendation to violate any laws or to practice any invention covered by existing patents.

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