



CITGO Petroleum Corporation  
 P.O. Box 3758  
 Tulsa, Oklahoma 74102

*Plumber Shop*  
 MAY 28 1997

## Material Safety Data Sheet

Trade Name: CITGO Lithoplex Grease\*  
 Commodity Code: 55-340  
 Synonyms: Grease Date: May 16, 1989  
 CAS No.: Mixture Technical Contact: (918) 495-5933  
 (Refer to Section 1) Medical Emergency: (318) 491-6215  
 Chemtrec Emergency: (800) 424-9300  
 Citgo Index No.: 0703

### Material Hazard Evaluation

(Per OSHA Hazard Communication  
 Standard [29 CFR Part 1910.1200]) (OHCS)

Health: Non-Hazardous under ambient conditions (OHCS).

Precautionary Statement: Avoid repeated or prolonged contact. Do not inhale fumes.

HMIS Rating<sup>1</sup>: Health 1 Flammability 1 Reactivity 0

### 1.0 Generic Composition / Components

Components	CAS #	%	Hazard Data
Refined Petroleum Oils	64742-53-6 64742-52-5 64742-65-0 64742-62-7	75-95	Oral: LD50(rat): > 5g/kg
Soap and Proprietary Ingredients	Mixture	< 20	Eye and skin irritant

<sup>1</sup> Hazard Rating: least-0; slight-1; moderate-2; high-3; extreme-4  
 Citgo assignment based on our evaluation per NFPA and NPCA guidelines.

## 2.0 Physical Data

Physical Hazard Classification (Per 29 CFR Part 1910.1200)

No	Combustible	No	Flammable	No	Pyrophoric
No	Compressed Gas	No	Organic Peroxide	No	Reactivity
No	Explosive	No	Oxidizer	Yes	Stable

Boiling Point, 760 mmHg, °C(°F): ND  
 Specific Gravity (60/60°F) (H<sub>2</sub>O. = 1): > 1.0  
 Vapor Density (Air = 1): > 1  
 % Volatiles by Volume: Negligible  
 Melting Point, °C(°F): ND  
 Vapor Pressure, mmHg (25°C): ND  
 Solubility in H<sub>2</sub>O., % by Weight: Slight  
 Evaporation Rate (Butyl Acetate = 1): < 1  
 pH of Undiluted Product: ND  
 Appearance and Odor: Amber, buttery semi-solid, mild odor

## 3.0 Fire and Explosion Data

Flash Point, COC, °C(°F)	ND
Flash Point, PM, °C(°F)	ND
Fire Point, COC, °C(°F)	ND
NFPA Rating <sup>2</sup>	Health: 1 Flammability: 1 Reactivity: 0
Flammable Limits (% by volume in air)	Lower: ND Upper: ND
Extinguishing Media	CO <sub>2</sub> , dry chemical, foam, water fog
Special Fire Fighting Procedure	None.
Unusual Fire or Explosion Hazard	None.

## 4.0 Reactivity Data

*Stability:* Stable.  
*Conditions Contributing to Instability:* Extreme heat.  
*Incompatibility:* Strong oxidants, strong acids.  
*Hazardous Decomposition Products:* CO<sub>2</sub>, CO.  
*(thermal, unless otherwise specified)*  
*Conditions Contributing to Hazardous Polymerization:* None.

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

## 5.0 Spill or Leak Procedures

### Procedures if Material is Spilled:

- Contain spill, wipe up with suitable absorbing material such as rags, straw or sand. Scoop up into container.
- 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 Hotline Number: 800-424-9346.

### Protective Measures During Repair and Maintenance of Contaminated Equipment:

- Refer to Section VII - Special Protection Information.
- Wash exposed skin thoroughly with soap and water.
- Remove and clean soiled clothing before reuse.
- Safety glasses, rubber gloves if extensive, repeated dermal contact is anticipated.

## 6.0 Health Hazard Data

### *Health Hazard Classification*

(Per 29 CFR Part 1910.1200)

No	Carcinogen	No	Corrosive
No	Animal Carcinogen	No	Irritant
No	Suspect Carcinogen	No	Sensitizer
No	Mutagen	No	Teratogen
No	Highly Toxic	No	Target Organ
No	Toxic		

Product listed as Carcinogen or Potential Carcinogen by:

NTP No IARC No OSHA No Other No

Toxicity Summary: General low toxicity.

Major Route(s) of Entry: Dermal contact.

## Acute Exposure Symptoms

<i>Inhalation:</i>	No probable hazard - only if being sprayed or if in enclosed space where hot vapors exist. Inhalation of heated vapor could cause chemical pneumonitis.
<i>Dermal Contact:</i>	Normally no acute effects are expected.
<i>Eye Contact:</i>	May be mild irritant.
<i>Injection:</i>	Grease gun injuries may include erythema, edema, irritation.
<i>Ingestion:</i>	Slight irritation to gastrointestinal tract, cramps and nausea, blockage if very large quantities involved.

## Chronic Exposure

Prolonged dermal exposure may cause irritation, drying, cracking of the skin. Possible dermatitis in sensitive individuals.

## Other Special Effects

None.

## Medical Conditions Aggravated by Exposure

None.

## *First Aid and Emergency Procedures for Acute Effect*

<i>Inhalation:</i>	Remove to fresh air. Respiratory support, if necessary.
<i>Dermal:</i>	Wash with soap and water. Do not wear heavily contaminated clothing until laundered.
<i>Eyes:</i>	Flush with water.
<i>Ingestion:</i>	Vomiting may be induced for large quantities.
<i>Injection:</i>	Subcutaneous injection is a medical emergency. Seek medical aid immediately.

**Notes to Physician:** Essentially, no aspiration risk. Subcutaneous injection requires prompt surgical debridement. If not familiar with technique, seek skilled advice. On ingestion, small amount may pass through the system without causing a hazard, remove larger quantities to prevent intestinal blockage.

## 7.0 Special Protection Information

**Ventilation Requirements:** None at ambient temperatures, ventilate if fumes or mists develop.

**TLV:** Not established.

**Specific Personal Protective Equipment:**

**Respiratory:** None required during normal use.

**Eyes:** Safety goggles.

**Dermal:** Natural or synthetic rubber for repeated exposures.

**Other Clothing or Equipment:** None.

## 8.0 Transportation and Special Precautions

**Storage:** Store in cool dry area in original or equivalent container in accordance with local, state and/or federal regulations.

**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.

### *DOT Information*

Proper Shipping Name:	Petroleum Grease
Hazard Class:	Non-Hazardous
Hazard Identification Number:	None assigned
Placard:	None
Compatibility Category:	ND
CHRIS Code:	ND

# 9.0 Environmental Data

Product Name                      CITGO Lithoplex Grease\*  
Commodity Code:                      55-340

## SARA TITLE III

### Section 313 - Toxic Chemicals

This product does not contain toxic chemicals of Section 313 of Title III of Superfund Amendments and Re-authorization Act of 1986 (SARA) and 40 CFR Part 372.

<u>Components</u>	<u>CAS#</u>	<u>%</u>
None	-	-

### Section 311 - Hazard Categories

<u>Yes</u> Not Applicable	<u>No</u> Fire Hazard
<u>No</u> Acute (Immediate Health Hazard)	<u>No</u> Sudden Release of Pressure Hazard
<u>No</u> Chronic (Delayed Health Hazard)	<u>No</u> Reactive Hazard

### Section 302 (a) - Extremely Hazardous Substances

(RQ = Reportable Quantity)  
(TPQ = Threshold Planning Quantity)

This product does not contain Extremely Hazardous Substances of Section 302/(A).

<u>Component</u>	<u>CAS#</u>	<u>%</u>	<u>RQ lbs.</u>	<u>TPQ lbs.</u>
None	-	-	-	-

### Clean Water Act

Under Section 311 (b) (4) of the Clean Water Act, discharges of crude oil and petroleum products in any kind or form to surface waters must be immediately reported to the National Response Center: 800-424-8802.

### Comprehensive Environmental, Response, Compensation & Liability Act (CERCLA) - Section 102 Hazardous Substances

<u>Component</u>	<u>CAS#</u>	<u>%</u>	<u>RQ lbs.</u>
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Petroleum and petroleum fractions are excluded from the list of CERCLA hazardous substances by Section 101(14) of CERCLA.

## 10.0 Labeling

**NOTE**

*This product has been determined not to be a physical or a health hazard as defined by the OSHA Hazard Communication Standard.*

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