

# Atlantic Richfield Company

## Material Safety Data Sheet

0000-1284 or  
MSDS- 214  
900-0005

Material Name  
ARCOwhite 2 Grease

Specification Code  
18481

Emergency Telephone (24 hour)  
(312) 468-9300

### Section I - General

Manufacturer's Name  
ARCO Petroleum Products Company  
515 South Flower St., Los Angeles, CA 90071

Name (Brand-Trade) and Synonyms  
N/A

Chemical Family  
Lubricant

### Section II - Summary of Hazardous Information

Summary  
CAUTION: SLIGHTLY COMBUSTIBLE

TLV  
N/A

See Section V and IX for special instructions for INJURIES RESULTING FROM HIGH PRESSURE SKIN INJECTION.

### Section III - Physical and Reactivity Data

Boiling Point (°F) IBP ) 500	Evaporation Rate (ratio of time) Ether = 1 ) 1	Other Worked Penetration @ 77° F = 265-291
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Vapor Pressure (mm Hg at 70° F) ( 0.1  
Incompatibility (materials to avoid) Strong acids, alkalis, and oxidizers such as liquid chlorine and oxygen.

Vapor Density (air = 1 at 60-99° F) ) 10  
Stability  
X Stable ( ) Unstable  
Conditions to Avoid Heat and open flame.

Specific Gravity (H<sub>2</sub>O = 1 at 39.2° F) 0.92  
Hazardous Polymerization May Occur ( ) Not Occur ( X )  
Appearance and Odor Opaque white, practically odorless

Volatile Characteristics Negligible  
Hazardous Decomposition Products  
Incomplete combustion may produce carbon monoxide, carbon dioxide, and trace oxides and/or compounds of calcium.

Solubility in Water  
Negligible

### Section IV - Fire and Explosion Data

Flash Point (°F) 450 (method used) ( D 92 )	Flammable Limits at Normal Atmos. Temp. and Pressure (% by volume in air) Lower Flammable Limit N/A Upper Flammable Limit N/A
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Autoignition Temp. (°F) Approx. 700  
Extinguishing Media Dry chemical and CO<sub>2</sub>. Foam and water fog are effective but may cause frothing.

Special Fire Fighting Procedures  
For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of the normal products of combustion or oxygen deficiencies. See Section III - Hazardous Decomposition Products.

Unusual Fire and Explosion Hazards  
SLIGHTLY COMBUSTIBLE. When heated above the flash point this material will release flammable vapors which can burn or be explosive in confined spaces and exposed to a source of ignition.

### Section V - First Aid and Emergency Procedures

Note to Physician HIGH PRESSURE INJECTIONS IN UNDERLYING TISSUE: Immediate treatment should include extensive incision, debridement, and saline irrigation. Inadequate treatment may result in tissue ischemia and gangrene. Early symptoms may be minimal.

Eye Contact	Flush eyes with plenty of low pressure water.
Skin Contact	Remove by wiping, wash skin with soap and plenty of water.
Inhalation	This material is not expected to be an inhalation hazard.
Ingestion	This material is not expected to present an ingestion hazard.

**HOLLY LUBE**

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## Section VI - Health Hazard Data

No significant health hazard is expected to result under conditions of normal usage of this material.

Route of Exposure	Affected	Signs and Symptoms
Eye Contact		No significant signs or symptoms indicative of any adverse health hazard is expected to occur.
Inhalation		
Ingestion		
Skin Absorption		

Effects of Overexposure  
Contact of this material with eyes may result in slight eye irritation. Prolonged or repeated skin contact may cause dermatitis to particularly susceptible individuals.

## Section VII - Spill or Leak Procedure

Precautions if Material is Spilled or Released  
Use absorbent material such as clay or diatomaceous earth to cover area to prevent slips or falls.

Waste Disposal Methods  
Use a shovel or scraper to clean up spill. Dispose of contaminated material in an approved disposal site. Comply with Federal, State, and local regulations concerning waste disposal into landfills.

## Section VIII - Special Protection Information

Ventilation  
N/A

Eye Protection  
Direct eye contact is unlikely. No special eye protection is recommended under normal conditions of use.

Skin Protection  
Avoid prolonged or repeated skin contact. Hands or other potential skin contact areas should be washed with mild soap and water at lunch time and when quitting work.

Respiratory Protection  
N/A

Other Protection  
Use good personal hygiene practices. In case of skin contact wash with soap and water. Avoid using solvents (gasoline, kerosene, etc.) and harsh abrasive skin cleaners. Contaminated clothing should be removed and laundered before reuse.

## Section IX - Special Precautions

Handling and Storage  
Store away from strong oxidizers and open flames. No special precaution required. Keep out of reach of children.

General Comments  
**HIGH PRESSURE SKIN INJECTION INJURIES** - Hydrocarbons which are handled in high pressure grease guns or hydraulic lines may be accidentally injected into the skin and/or underlying tissue. Hydrocarbons injected into the underlying tissues are not readily removed by body fluids and can cause pain, rapid swelling, chemical irritation and infection. Workers must be trained in the danger of this type of injury and should seek special medical attention if injected accidentally.

Date Issued  
March 1980

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