



MATERIAL SAFETY DATA SHEET

Wynn's Friction Proofing Engine Treatment

WYNN OIL COMPANY
1151 West Fifth Street
Azusa, California 91702

EMERGENCY TELEPHONE NUMBER:
Chemtrec (800) 424-9300
INFORMATION TELEPHONE NUMBER:
Wynn Oil Company (626) 334-0231

PRODUCT IDENTIFICATION

| PRODUCT NAME | EFFECTIVE DATE | PRODUCT CODE |
|---|----------------|--------------|
| Wynn's Friction Proofing Engine Treatment | 11-24-97 | 56301 |
| CHEMICAL NAME | CAS NUMBER | |
| N/A | N/A | |

HAZARDOUS INGREDIENTS

| COMMON NAME | CHEMICAL NAME | CAS NO. | % | OSHA PEL | ACGIH TLV-TWA |
|-----------------------|---------------|------------|-------|---------------------|---------------------|
| Petroleum Hydrocarbon | Petroleum Oil | 64742-58-1 | 40-50 | 5 mg/m ³ | 5 mg/m ³ |

Contains no other ingredients now known to be hazardous as defined by OSHA 29CFR 1910.1000(z) and 29CFR 1910.1200.

PHYSICAL DATA

These data are approximate or typical values and should not be used as precise specifications. Unless otherwise noted values are at 20°C(68°F) and 760 mmHg (1 atm).

| | | | |
|--|--------------------|--------------------------------------|--------------|
| Boiling Point/Range | >600°F(316°C) | Freeze Point | 15°F(-9.4°C) |
| Specific Gravity (H ₂ O=1) @ 15.6°C | 0.89 | Vapor Pressure (mm Hg) | N/D |
| Vapor Density (Air =1) | N/D | Solubility in Water (%) | 0.1 |
| % Volatiles by Volume | 0 | Evaporation Rate (Butyl Acetate = 1) | N/D |
| pH (as is) | N/A | pH (dilute) @ % | N/A |
| Appearance | Clear thick liquid | Odor | Hydrocarbon |

N/D - Not Determined

N/A - Not Applicable

< = Less Than

> = Greater Than

FIRE AND EXPLOSION HAZARD DATA

Flash Point 390°F(199°C) **Method** Cleveland Open Cup ASTM D-92

Flammable or Explosive Limits (Approximate percent by volume in air)

Lower (LEL) N/D Upper (UEL) N/D

Hazard Class Identification

| | | | |
|--------------------|--------------------------|------------------------|--|
| | Flammability 1 | | Hazard Code 0 - Least (insignificant) |
| Health 1 | | Reactivity 0 | 1 - Slight |
| | Other --- | | 2 - Moderate |
| | | | 3 - High |
| | | | 4 - Extreme |

Extinguishing Media

Dry chemicals, carbon dioxide, water spray, foam.

Special Fire Fighting Procedures

Use water to cool fire-exposed containers. Fire fighters use a self contained breathing apparatus.

Unusual Fire and Explosion Hazards

Combustion may produce smoke and toxic fumes.

REACTIVITY DATA

Stability

Stable.

Conditions to Avoid

Heat, open flame.

Materials to Avoid

Strong oxidizing agents.

Hazardous Decomposition or Combustion Products

Thermal decomposition may produce oxides of carbon, sulfur, nitrogen, phosphorus, zinc and sodium.

Hazardous Polymerization (conditions)

Will not occur.

HEALTH HAZARDS/ROUTES OF ENTRY

Signs, Symptoms and Effects of Overexposure

Ingestion (swallowing) DO NOT swallow. If swallowed, may cause slight irritation to digestive tract. Signs and symptoms are discomfort, nausea, vomiting.

Skin Contact May cause irritation to skin. Prolonged contact may cause redness, defatting of skin to sensitive individuals.

Eye Contact May be slightly irritating to the eyes on direct contact.

Inhalation (breathing) Vapors generated at elevated temperatures can cause irritation to respiratory tract.

Other Effects of Prolonged/Repeated Overexposure

This material has not been identified as a carcinogen by NTP, IARC or OSHA. Prolonged and repeated contact with skin and eyes may cause skin and eye irritation, defatting of skin and redness.

EMERGENCY AND FIRST AID PROCEDURES

Ingestion (swallowing) DO NOT induce vomiting. Give 2-3 cups of water or milk. Call for medical help.

Skin Contact Wash affected area with soap and water. If irritation persists, call for medical help.

Eye Contact Flush eyes with water for 15 minutes. If irritation persists, call for medical help.

Inhalation (breathing) Remove to fresh air to avoid further inhalation.

Comments NOTE TO PHYSICIANS: Treatment should be controlled by symptoms and clinical conditions. Emesis may be induced under medical supervision.

SPILL OR RELEASE CONTROL PROCEDURES

Steps to be taken in case material is released or spilled

Use absorbent sand, clay or vermiculite. Shovel into containers. Prevent liquid from entering into sewers and waterways.

Waste Disposal Method

Dispose of in accordance with Federal, State and Local regulations.

Environmental Hazard (EPA-CWA, Section 311)

Spills of this material leading to surface waters where it will cause a sheen must be reported to the National Response Center (800) 424-8802.

EPA Reportable Quantity (RQ), 40CFR302 (CERCLA104)

N/A

EPA Toxic Chemical Release Reporting, 40CFR372(SARA313)

| Chemical | CAS NO. | % in Product |
|-----------------|----------------|---------------------|
| Zinc compound | --- | 0.41 as Zinc |

HANDLING AND STORAGE

Handling and Storage Precautions

CAUTION: Contains petroleum oil. Avoid skin and eye contact. Keep containers closed. Use entire contents.

Other Precautions

KEEP AWAY FROM CHILDREN.

PERSONAL PROTECTION - EXPOSURE CONTROL

Ventilation

Normal use, none required. If misting occurs a mechanical or local exhaust is recommended.

Respiratory Protection

Normal use, none required.

Eye Protection

Safety glasses.

Protective Gloves

Rubber, plastic gloves.

Other Protective Clothing or Equipment

None.

Work/Hygienic Practices

Personal cleanliness is always appropriate. Frequent washing minimizes inadvertent exposure.

TRANSPORTATION INFORMATION

Department of Transportation (DOT) Classification

| | | | |
|--|--------------------|-----|----------------------|
| | Flammable Liquid | | Corrosive |
| | Flammable Solid | | Non-Flammable Gas |
| | Flammable Gas | XXX | Not Hazardous by DOT |
| | Combustible Liquid | | Other: |

DOT Proper Shipping Name

N/A

DOT ID Number

N/A

DOCUMENTATION

Product Code No.: 56301
Previous Code No.: 56301

Issue Date: 11-24-97
Prior Date: 6-3-97

This information is, to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.