

MATERIAL SAFETY DATA SHEET

Product Name: 76 Unoba F Grease 2  
Product Code: 5562020000

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: 76 Unoba F Grease 2  
Product Code: 5562020000  
Generic Name: Grease  
Chemical Family: Petroleum hydrocarbon  
Responsible Party: 76 Lubricants Company  
A Division of TOSCO Corporation  
72 Cummings Point Road  
Stamford, CT  
06901

For further information contact Help Desk  
8am - 4pm Pacific Time, Mon-Fri: 1-800-762-0942

EMERGENCY OVERVIEW

24 Hour Emergency Telephone Numbers:

For Chemical Emergencies:

Spill, Leak, Fire or Accident  
Call CHEMTREC  
North America: (800)424-9300  
Others: (703)527-3887 (collect)

For Health Emergencies:

California Poison  
Control System  
Cont. US: (800)356-3129  
Outside US: (415)821-5338

Health Hazards: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Physical Hazards: Keep away from all sources of ignition.

- ▶ Physical Form: Semi-solid
- ▶ Appearance: Creamy white
- ▶ Odor: Characteristic petroleum

NFPA HAZARD CLASS:	Health:	1 (Slight)
	Flammability:	1 (Slight)
	Reactivity:	0 (Least)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Issue Date: 02/18/99  
Revised Sections: 9

Status: Final Revised

<u>HAZARDOUS COMPONENTS</u>	<u>% Weight</u>	<u>EXPOSURE GUIDELINE</u>		
		<u>Limits</u>	<u>Agency</u>	<u>Type</u>
Zinc Compound	1-5	5 mg/m3	ACGIH	TWA
CAS# Proprietary		10 mg/m3	ACGIH	STEL
		5 mg/m3	OSHA	TWA
Oil Mist, If Generated		5 mg/m3	ACGIH	TWA
CAS# None		10 ppm	ACGIH	STEL
		5 mg/m3	OSHA	TWA

<u>OTHER COMPONENTS</u>	<u>% Weight</u>	<u>EXPOSURE GUIDELINE</u>		
		<u>Limits</u>	<u>Agency</u>	<u>Type</u>
Lubricant Base Oil (Petroleum)	74-93	(See: Oil Mist, If Generated)		
CAS# Various				
Additives	6-21	Not Established		
CAS# Proprietary				

The base oil for this product can be a mixture of any of the following highly refined petroleum streams: CAS 64741-88-4; CAS 64741-89-5; CAS 64741-96-4; CAS 64741-97-5; CAS 64742-01-4; CAS 64742-52-5; CAS 64742-53-6; CAS 64742-54-7; CAS 64742-55-8; CAS 64742-56-9; CAS 64742-57-0; CAS 64742-58-1; CAS 64742-62-7; CAS 64742-63-8; CAS 64742-65-0; CAS 72623-85-9; CAS 72623-86-0; CAS 72623-87-1

Note: State, local or other agencies or advisory groups may have established more stringent limits. Consult an industrial hygienist or similar professional, or your local agencies, for further information.

### 3. HAZARDS IDENTIFICATION

#### POTENTIAL HEALTH EFFECTS:

**Eye:** Contact may cause mild eye irritation including stinging, watering, and redness.

**Skin:** Contact may cause mild skin irritation including redness, burning sensation, and drying and cracking of the skin. No harmful effects from skin absorption are expected.

**Inhalation (Breathing):** No data available. However, inhalation is

not an expected route of exposure.

**Ingestion (Swallowing):** Low degree of toxicity by ingestion.

**Signs and Symptoms:** Effects of overexposure may include irritation of the nose and throat, irritation of the digestive tract, headaches, coughing, nausea, vomiting, diarrhea, metallic taste and breathing difficulties.

**Cancer:** Inadequate evidence available to evaluate the cancer hazard of this material. See Section 11 for carcinogenicity information of individual components, if any.

**Target Organs:** Inadequate data available for this material.

**Developmental:** No data available for this material. See Section 11 for developmental toxicity information of individual components, if any.

**Pre-Existing Medical Conditions:** Conditions aggravated by exposure may include skin disorders and respiratory (asthma-like) disorders.

#### 4. FIRST AID MEASURES

**Eye:** If irritation or redness develops, move victim away from exposure and into fresh air. Flush eyes with clean water. If symptoms persist, seek medical attention.

**Skin:** Wipe material from skin and remove contaminated shoes and clothing. Cleanse affected area(s) thoroughly by washing with mild soap and water and, if necessary, a waterless skin cleanser. If irritation or redness develops and persists, seek medical attention.

**Inhalation (Breathing):** First aid is not normally required. If breathing difficulties develop, move victim away from source of exposure and into fresh air. Seek immediate medical attention.

**Ingestion (Swallowing):** First aid is not normally required; however, if swallowed and symptoms develop, seek medical attention.

**Note To Physicians:** High-pressure hydrocarbon injection injuries may produce substantial necrosis of underlying tissue despite an innocuous appearing external wound. Often these injuries require extensive emergency surgical debridement and all

injuries should be evaluated by a specialist in order to assess the extent of injury.

## 5. FIRE FIGHTING MEASURES

**Flammable Properties:** Flash Point: 450°F/232°C (COC)  
OSHA Flammability Class: Not applicable  
LEL%: 0.9 / UEL%: 7.0  
Autoignition Temperature: No Data  
Burn Rate (solids): No Data

**Unusual Fire & Explosion Hazards:** This material may burn, but will not ignite readily.

**Extinguishing Media:** Dry chemical, carbon dioxide, foam, water, sand, or earth is recommended. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.

**Fire Fighting Instructions:** For fires beyond the incipient stage, emergency responders in the immediate hazard area should wear bunker gear. When the potential chemical hazard is unknown, in enclosed or confined spaces, or when explicitly required by DOT, a self contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).

Isolate immediate hazard area, keep unauthorized personnel out. Contain spill if it can be done with minimal risk. Move undamaged containers from immediate hazard area if it can be done with minimal risk.

Cool equipment exposed to fire with water, if it can be done with minimal risk.

## 6. ACCIDENTAL RELEASE MEASURES

This material may burn, but will not ignite readily. Keep all sources of ignition away from spill/release. Stay upwind and away from spill. Notify persons down wind of the spill/release, isolate immediate hazard area and keep unauthorized personnel out. Contain spill if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions

warrant (see Section 8).

Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways. Notify fire authorities and appropriate federal, state, and local agencies. Cleanup under expert supervision is advised. Minimize dust generation. Sweep up and package appropriately for disposal. If spill of any amount is made into or upon navigable waters, the contiguous zone, or adjoining shorelines, notify the National Response Center (phone number 800-424-8802).

## 7. HANDLING AND STORAGE

**Handling:** The use of appropriate respiratory protection is advised when concentrations exceed any established exposure limits (see Sections 2 and 8).

Do not wear contaminated clothing or shoes. Use good personal hygiene practice.

High pressure injection of hydrocarbon fuels, hydraulic oils or greases under the skin may have serious consequences even though no symptoms or injury may be apparent. This can happen accidentally when using high pressure equipment such as high pressure grease guns, fuel injection apparatus or from pinhole leaks in tubing of high pressure hydraulic oil equipment.

"Empty" containers retain residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury or death. "Empty" drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

Before working on or in tanks which contain or have contained this material, refer to OSHA regulations, ANSI Z49.1 and other references pertaining to cleaning, repairing, welding, or other contemplated operations.

**Storage:** Keep container(s) tightly closed. Use and store this material in cool, dry, well-ventilated areas away from heat and all sources of ignition. Store only in approved containers. Keep away from any incompatible material (see Section 10). Protect container(s) against physical damage.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering controls:** If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits (see Section 2), additional ventilation or exhaust systems may be required.

### Personal Protective Equipment (PPE):

**Respiratory:** Inhalation is not an expected route of exposure. However, a NIOSH certified air purifying respirator with a dust/mist filter may be used under conditions where airborne concentrations are expected to exceed exposure limits (see Section 2).

Protection provided by air purifying respirators is limited (see manufacturer's respirator selection guide). Use a positive pressure air supplied respirator if there is potential for uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**Skin:** The use of gloves impervious to the specific material handled is advised to prevent skin contact, possible irritation, and absorption (see glove manufacturer literature for information on permeability).

**Eye/Face:** Approved eye protection to safeguard against potential eye contact, irritation, or injury is recommended. Depending on conditions of use, a face shield may be necessary.

**Other Protective Equipment:** A source of clean water should be available in the work area for flushing eyes and skin. Impervious clothing should be worn as needed.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Note: Unless otherwise stated, values are determined at 20°C (68°F) and 760 mm Hg (1 atm).

Flash Point: 450°F / 232°C (COC)

Flammable/Explosive Limits (%): LEL: 0.9 / UEL: 7.0  
Autoignition Temperature: No Data  
Burn Rate (solids only): No Data  
Appearance: Creamy white  
Physical State: Semi-solid  
Odor: Characteristic petroleum  
pH: Not applicable  
Vapor Pressure (mm Hg): No Data  
Vapor Density (air=1): >1  
Boiling Point/Range: >600°F / >316°C  
Freezing/Melting Point: 365°F / 185 °C  
Solubility in Water: Negligible  
Specific Gravity: 0.90 @ 60°F  
Percent Volatile: Negligible  
Evaporation Rate (nBuAc=1): <1  
Viscosity: 142 cSt @ 40°C  
Bulk Density: 7.50 lb/gal

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions of storage and handling.

**Conditions To Avoid:** Extended exposure to high temperatures can cause decomposition.

**Incompatible Materials:** Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite or calcium hypochlorite.

**Hazardous Decomposition Products:** Combustion may yield major amounts of oxides of carbon and minor amounts of oxides of sulfur, nitrogen, zinc, and magnesium.

**Hazardous Polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### Lubricant Base Oil (Petroleum) (CAS# Various)

**Carcinogenicity:** The petroleum base oils contained in this product have been highly refined by a variety of processes including solvent extraction, hydrotreating, and dewaxing to remove aromatics and improve performance characteristics. None of the oils used are listed as a carcinogen by NTP, IARC, or OSHA.

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## 12. DISPOSAL CONSIDERATIONS

This material, if discarded as produced, is not a RCRA "listed" or "characteristic" hazardous waste. Use which results in chemical or physical change or contamination may subject it to regulation as a hazardous waste. Along with properly characterizing all waste materials, consult state and local regulations regarding the proper disposal of this material.

## 13. TRANSPORT INFORMATION

Hazard Class or Division: Not classified as hazardous

## 14. REGULATORY INFORMATION

This material contains the following chemicals subject to the reporting requirements of **SARA** 313 and 40 CFR 372:

<u>COMPONENT</u>	<u>CAS NUMBER</u>	<u>WEIGHT %</u>
Zinc Oxide	1314-13-2	1-5

**Warning:** This material contains the following chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm, and are subject to the requirements of **California Proposition 65** (CA Health & Safety Code Section 25249.5):

--None Known--

This material has not been identified as a carcinogen by NTP, IARC, or OSHA. See Section 11 for carcinogenicity information of individual components, if any.

**EPA (CERCLA) Reportable Quantity:** --None--

## 15. DOCUMENTARY INFORMATION

Issue Date: 02/18/99  
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Product Code: 5562020000  
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Status: Final Revised



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