

MATERIAL SAFETY DATA SHEET

76 Klondyke 15

Industrial Oil

MANUFACTURER
 76 Lubricants Company
 A Division of TOSCO Corporation
 P.O. Box 25276
 Santa Ana, CA 92799-5376

DATE OF PREPARATION
 9/17/99

INFORMATION TELEPHONE NO.
 Help Desk: 1-800-762-0942
 8am-4pm Pacific Time, Mon-Fri

24 HRS. EMERGENCY TELEPHONE NOS.

SPILL, LEAK, FIRE OR ACCIDENT

Call CHEMTREC

North America: (800) 424-9300

Others: (703) 527-3887 (Collect)

HEALTH EMERGENCIES:

Call California Poison Control System

Continental US: (800) 356-3129

Outside US: (415) 821-5338

SECTION I - PRODUCT IDENTIFICATION

PRODUCT CODE 93000015	PHYSICAL FORM Liquid	PRODUCT CLASS Industrial Oil
PRODUCT NAME 76 Klondyke 15	APPEARANCE Clear yellow	NFPA HAZARD CLASS Health: 1 (Slight) Flammability: 1 (Slight) Reactivity: 0 (Least)
	ODOR Characteristic Petroleum	CHEMICAL FAMILY Petroleum Hydrocarbon

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

No hazardous components identified per 29 CFR 1910.1200.

OTHER COMPONENTS	% Volume Limits	EXPOSURE GUIDELINE Agency	EXPOSURE GUIDELINE Type
Solvent Refined Distillate, Light Naphthenic..C15-30 CAS# 64741-97-5	100	(See: Oil Mist, If generated)	
REFERENCE	% Volume Limits	EXPOSURE GUIDELINE Agency	EXPOSURE GUIDELINE Type
Oil Mist, if generated CAS# None	5 mg/m ³ 10 ppm 5 mg/m ³	ACGIH ACGIH OSHA	TWA STEL TWA

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.

SECTION III - HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

EYE CONTACT:

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

SKIN CONTACT:

Contact may cause mild skin irritation including redness, burning sensation, and drying and cracking of the skin. No harmful effects from skin absorption have been reported.

INHALATION (BREATHING):

No information available. Studies by other exposure routes suggest a low degree of toxicity by inhalation.

Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways. Dike far ahead of spill for later recovery or disposal. Spilled material may be absorbed into an appropriate absorbent material.

Notify fire authorities and appropriate federal, state, and local agencies. Immediate cleanup of any spill is recommended. 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).

SECTION VII - HANDLING AND STORAGE

HANDLING:

Do not enter confined spaces such as tanks or pits without following proper entry procedures such as ASTM D-4276 and 29CFR 1910.146. The use of appropriate respiratory protection is advised when concentrations exceed any established exposure limits (see Sections II and VIII).

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 bundled, 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 O.S.H.A. 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 X). Protect container(s) against physical damage.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

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

PERSONAL PROTECTIVE EQUIPMENT (PPE):

RESPIRATORY:

A NIOSH certified air purifying respirator with a Type 95 (R or P) particulate filter may be used under conditions where airborne concentrations are expected to exceed exposure limits (see Section II).

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 O.S.H.A.'s 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

SKIN CONTACT:

The use of gloves impervious to the specific material handled is advised to prevent skin contact and possible irritation (see manufacturers 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.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

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

FLASH POINT:	320°F/160°C (COC)
FLAMMABLE/EXPLOSIVE LIMITS (%):	No Data
AUTO-IGNITION TEMPERATURE:	No Data
APPEARANCE:	Clear Yellow
PHYSICAL STATE:	Liquid
ODOR:	Characteristic Petroleum
pH:	No Data
VAPOR PRESSURE (mm Hg):	No Data
VAPOR DENSITY (air=1):	>1
BOILING POINT/RANGE:	>600°F / >316°C

SECTION XVI - DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

The information presented in this Material Safety Data Sheet is based on data believed to be accurate as of the date this Material Safety Data Sheet was prepared.

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