

I. General Information

Chemical Name & Synonyms	PETROLEUM MOTOR OIL	Trade Name & Synonyms	FLEET ENGINE OIL
Chemical Family	PETROLEUM HYDROCARBONS	Formula	PETROLEUM HYDROCARBONS & ADDITIVES
Proper DOT Shipping Name	LUBRICATING OILS, NOIBN	DOT Hazard Classification	NOT CLASSIFIED AS HAZARDOUS
Manufacturer	STEELCO INDUSTRIAL LUBRICANTS	Manufacturer's Phone Number	219-462-0333
Manufacturer's Address	P.O. BOX 136, VALPARAISO, IN 46383	Chemtrec Phone Number	NOT APPLICABLE

II. Ingredients

Principal Hazardous Components	Percent	Threshold Limit Value (units)
LUBRICATING OIL BASE STOCK	90.0	5 mg/M ³ (Mist)
CAS NO. 64742-54-7 or 64742-54-0		
LUBE OIL ADDITIVE CONTAINING ZINC SALT OF DIALKYLDITHROPHOSPHORIC ACID (EYE IRRITANT)	10.00	NONE ESTABLISHED

III. Physical Data

Boiling Point (°F)	> 500 °F	Specific Gravity (H ₂ O = 1)	0.89
Vapor Pressure (mm Hg.)	@100 °F < 0.01	Percent Volatile By Volume (%)	NEGLIGIBLE
Vapor Density (Air = 1)	> 12.0	Evaporation Rate (NBA = 1)	< 0.01
Solubility in Water	NEGLIGIBLE	pH	ESSENTIALLY NEUTRAL
Appearance & Odor	RED IN COLOR - CHARACTERISTIC PETROLEUM ODOR		

IV. Fire & Explosion Hazard Data

Flash Point (Test Method)	> 200 °F - PM CLOSED CUP			Auto Ignition Temperature	> 500 °F	
Flammable Limits			LEL	1%	UEL	6%
Extinguishing Media	FOAM, DRY CHEMICAL, CO ₂ , WATER SPRAY AND FOG					
Special Fire Fighting Procedures	USE AIR SUPPLIED RESCUE EQUIPMENT FOR ENCLOSED AREAS. COOL EXPOSED CONTAINERS WITH WATER.					
Unusual Fire & Explosion Hazards	DO NOT STORE OR MIX WITH STRONG OXIDANTS.					

V. Health Hazard Data

Threshold Limit Value 5 mg/M ³ (MIST)	OSHA Threshold Limit Value 5 mg/M ³ (MIST)	ACGIH Threshold Limit Value 5 mg/M ³ (MIST)
Carcinogen - NTP Program NOT SHOWN	Carcinogen - IARC Program NOT SHOWN	
Symptoms of Exposure PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE SKIN IRRITATION, EYE CONTACT MAY CAUSE EYE IRRITATION.		
Medical Conditions Aggravated By Exposure PROLONGED OR REPEATED SKIN CONTACT WITH THIS PRODUCT TENDS TO REMOVE SKIN OILS POSSIBLY LEADING TO IRRITATION & DERMATITIS. HEALTH STUDIES HAVE SHOWN THAT MANY PETROLEUM PRODUCTS POSE POTENTIAL RISKS WHICH MAY VARY. EXPOSURE TO LIQUIDS, VAPORS OR MISTS SHOULD BE MINIMIZED.		
Primary Route(s) of Entry INHALATION OF MIST OR VAPOR. SKIN CONTACT. EYE CONTACT.		
Emergency First Aid INHALATION: REMOVE SOURCE OF MIST OR VAPOR, PROVIDE FRESH AIR. EYE CONTACT: FLUSH WITH LARGE AMOUNTS OF WATER. CONSULT PHYSICIAN IF IRRITATION PERSISTS. SKIN CONTACT: WASH THOROUGHLY WITH SOAP & WATER. REMOVE OIL SOAKED CLOTHING AND LAUNDRY BEFORE REUSE.		

VI. Reactivity Data

Stability	☒ Unstable ☐ Stable	Conditions To Avoid
Incompatibility		Materials To Avoid STRONG OXIDANTS LIKE LIQUID CHLORINE & CONCENTRATED OXYGEN
Hazardous Polymerization	☒ May Occur ☐ Will Not Occur	Conditions To Avoid
Hazardous Decomposition Products CARBON MONOXIDE IN THE CASE OF INCOMPLETE COMBUSTION.		

VII. Environmental Protection Procedures

Spill Response	REMOVE FREE LIQUID. ADD ABSORBENT TO SPILL AREA. KEEP PETROLEUM PRODUCTS OUT OF STREAMS AND WATERWAYS.
Waste Disposal Method	INCINERATE ABSORBED MATERIAL. WASTE DISPOSAL METHODS MUST COMPLY WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

VIII. Special Protection Information

Eye Protection (CHEMICAL SPLASH GOGGLES DESIRABLE)	Skin Protection NORMALLY NOT NEEDED
Respiratory Protection (Specific Type) NORMALLY NOT NEEDED (ORGANIC MIST TYPE)	Ventilation Recommended NEEDED ONLY TO CAPTURE HOT FLAMES
Other Protection OIL IMPERVIOUS APRON AND GLOVES IF NEEDED.	

IX. Special Precautions

Hygienic Practices In Handling & Storage	KEEP CONTAINERS CLOSED. KEEP AWAY FROM HEAT & FLAME.
Precautions For Repair & Maintenance Of Contaminated Equipment	NOT REQUIRED.
Other Precautions AVOID BREATHING OIL MIST. REMOVE OIL IMPREGNATED CLOTHING. WASH THOROUGHLY AFTER EXPOSURE. AVOID SKIN CONTACT & USE PROTECTION WHEN HANDLING USED MOTOR OIL.	