

GC Electronics
1801 Morgan Street
Rockford, IL 61102
Phone: (815) 968-9661
Fax: (815) 968-9731
www.gcelectronics.com

Product Name: Teles-Oiler
MSDS Number: 134
Revision Date: 3/04/09
Supersedes Date: 5/23/06

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Type: Lubricant
Product Name: **Teles-Oiler**
Part Number(s): **10-9410**

Emergency Contact: Chemtrec
Phone: (800) 424-9300

Section 1 – Identification of Product

Trade Name:	R&O Turbine Oil	Least	0
Synonym:	Gas Turbine Oil	Slight	1
Chemical Family:	Petroleum Distillates	Moderate	2
NFPA Hazard Class:		High	3
Health:	1 (Slight)	Extreme	4
Flammability:	1 (Slight)		
Reactivity:	0 (Least)		

Section 2 – Hazardous Ingredients

No hazardous components identified per 29 CFR 1910.1200.

OTHER COMPONENTS	CAS #	% VOLUME	EXPOSURE GUIDELINE		
			LIMITS	AGENCY	TYPE
Hydrotreated Heavy Paraffinic		97-99			
Petroleum Distillates		1-3			
Proprietary Additives					
REFERENCE			EXPOSURE GUIDELINE		
			LIMITS	AGENCY	TYPE
Oil Mist, If Generated	None		5 mg/m3	ACGIH	TWA
			10 mg/m3	ACGIH	STEL
			5 mg/m3	OSHA	TWA

EMERGENCY OVERVIEW: No known immediate health hazards.

ACCIDENTAL HEALTH

HAZARDS: May cause minimal irritation.

Note: OSHA exposure limits adopted in 1989 were vacated by the U.S. Court of Appeals. OSHA PELs listed above (if any) may be included in those that were overturned, but are provided as guidance. Enforceable limits may be less stringent and/or may not yet be established.

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Section 3 – Physical Data

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

Flash Point:	Above 390°F
Flammable/Explosive Limits (%):	LEL not determined
Auto-ignition Temperature:	Not determined
Appearance:	Amber Liquid
Physical State:	Liquid
Odor:	Mild, bland hydrocarbon odor.
pH:	N/A
Vapor Pressure (mm Hg):	< 1 PSIA
Vapor Density (air=1)	> 5
Boiling Point/Range:	Not available
Freezing/Melting Point:	Not available
Solubility in Water:	No
Specific Gravity (g/ml):	0.86
Viscosity:	N/A/F

Section 4 – Fire and Explosion Hazard Data**Flammable Properties**

Flash point (°F):	Above 390°F
OSHA Flammability Class:	Combustible liquid
LEL / UEL %:	No data
Auto-ignition Temperature:	No data
Unusual Fire & Explosion Hazards:	This material may burn, but will not ignite readily. Vapors are heavier than air and can accumulate in low areas. If container is not properly cooled, it can rupture in the heat of a fire.
Extinguishing Media:	Water spray, dry chemical, foam, or carbon dioxide is recommended. Water or foam may cause frothing of materials heated above 212°F. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.
Fire Fighting Instructions:	Emergency responders in the danger area should wear bunker gear and self-contained breathing apparatus. In addition, wear other appropriate protective equipment as conditions warrant (see section 8).

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

Water spray may be useful in minimizing or dispersing vapors. Cool equipment exposed to fire with water, if it can be done with minimal risk. Avoid spreading burning liquid with water used for cooling purposes.

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General hazard: No unusual or explosion hazards

Section 5 – Health Hazard Data

Potential Health Effects

Eye:	Contact may cause minimal eye irritation, experienced as temporary discomfort. Get medical attention if eye irritation persists.
Skin:	Wash skin with plenty of soap and water for several minutes. Get medical attention if skin irritation develops or persists.
Inhalation (Breathing):	Vapors or mist, in excess of permissible concentrations, or in unusually high concentrations generated from spraying, heating the material or as from exposure in poorly ventilated areas or confined spaces, may cause irritation to the nose and throat, headache, nausea and drowsiness.
Ingestion:	If more than several mouthfuls are swallowed, abdominal discomfort, nausea and diarrhea may occur. Give two glasses of water. Get medical attention.

First Aid Measures:

Eye:	Flush eyes immediately with water for at least 15 minutes. Seek medical attention if irritation develops or persists.
Skin:	Remove contaminated clothing and shoes and wipe excess from skin. Flush skin with water, then wash with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. If material is injected under the skin, transport to the nearest medical facility for additional treatment.
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):	Do not induce vomiting. If more than several mouthfuls are swallowed, get medical attention.
Note to Physicians:	Acute aspiration of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of long-term sequelae. Repeated aspiration of small quantities of mineral oil may produce chronic inflammation of the lung (i.e., lipid pneumonia) that may progress to pulmonary fibrosis. Symptoms often are subtle and radiological changes appear worse than clinical abnormalities. An occasional and persistent cough, irritation of the upper respiratory tract, shortness of breath with exertion, fever, and bloody sputum occur. Inhalation exposure to oil mists below current workplace exposure limits, is unlikely to cause pulmonary abnormalities.

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Section 6 – Reactivity Data

Chemical Stability:	This product is stable.
Conditions to Avoid:	Avoid strong oxidizers, heat and open flames
Incompatible Materials:	Avoid contact with strong oxidizing agents.
Hazardous Decomposition Productions:	Incomplete combustion can produce carbon monoxide.
Hazardous Polymerization:	Will not occur.

Section 7 – Spill or Leak Procedures

LAND SPILL: FOR LARGE SPILLS, remove with vacuum truck or pump to storage / salvage vessels. FOR SMALL SPILLS, soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.

Reporting: Product is covered by EPA's Comprehensive Environmental Response, Compensation and Liability Act (CERLA) petroleum exclusion. Releases to air, land or water are not reportable under CERLA (Superfund).

WATER SPILL: Treat spill as an oil spill. Spill may be removed from water with boom and vacuuming equipment. Report spills to appropriate authorities. Dispose of in accordance with Federal, State and Local regulations.

Wear appropriate protective equipment including respiratory protection as conditions warrant (see section 8).

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 8 – Special Protection Information

Engineering Controls:	Provide ventilation sufficient to prevent exceeding recommended exposure limits.
Personal Protective Equipment (PPE): Respiratory:	Airborne concentrations should be kept to lowest levels possible. If vapor, mist or dust is generated and the occupational exposure limit of the product is exceeded, use appropriate NIOSH or MSHA approved air purifying or air-supplied respirator after determining the airborne concentration of the contaminant. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content is unknown.
Skin:	Use impervious gloves and boots.
Eye/Face:	Use full face shield or chemical goggles.
Other protective equipment:	It is suggested that a source of clean water be available in the work area for flushing eyes and skin.

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Occupational exposure limits:

COMPONENT	LIMIT	TWA	STEL	OTHER
Oil mist	OSHA PEL	5mg/M ³		
Oil mist	ACGIH	0.2mg/M ³	10mg/M ³	A4*

*=A4: Not classified as a human carcinogen.

Section 9 – Special Precautions

Handling:

Do not enter confined spaces such as tanks or pits without following proper entry procedures such as ASTM D-4276 and 29 CFR 1910.146. The use of respiratory protection is advised when concentrations exceed any established exposure limits (see sections 2 and 8). Wash thoroughly after any handling.

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 (liquid and/or vapors) 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. Any rinsate should be considered RCRA hazardous waste and must be disposed of with care.

Disposal:

RCRA: Dispose of this product in accordance with local and / or national regulations

EPA: Class hazard not determined

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 6). Protect container(s) against physical damage. Never store any kind of a container with vapors of any kind inside, in an area where heat, ignition sources or flames are present.

Minimum feasible handling temperatures should be maintained. Periods of exposure to high temperatures should be minimized. Water contamination should be avoided.

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Section 10 – Regulatory Information

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

NONE

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

Hazards Class or Division: Not classified as hazardous material for shipping

DOT: Not regulated.

Proper shipping name: Petroleum oil

Section 11 – Other Information

Toxological:

Acute: Inhalation: Not determined.
Ingestion: LD50 Believed to be >5g/kg (rat). Practically non-toxic.
Eyes: (Draize) Believed to be <15/110 g/kg (rabbit). No appreciable effect.
Skin: LD50 Believed to be > 2 g/kg (rabbit). Practically non-toxic.

Chronic: No data available to indicate the product or its components present a chronic health hazard.

This material, as produced, is not an EPA “listed” hazardous waste, but has not been evaluated using the Toxicity Characteristic Leaching Procedure (TCLP). The EPA hazardous waste classification has not been determined.

Contents should be completely used and containers emptied prior to discard. Rinsate may be considered a RCRA hazardous waste and must be disposed of with care in compliance with federal, state and local regulations. Large empty containers, such as drums, should be returned to the distributor or a drum reconditioner. To assure proper disposal of small empty containers, consult with state and local regulations and disposal authorities.

Hazardous Class or Division: Not classified as hazardous

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