

Safety Data Sheet



CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUMMIT MULTI-PURPOSE 80W90 GEAR OIL

Product Use: Gear Oil

Product Number(s): 11219201980W90

Company Identification:

RILCO Lubricants & Services

1320 1st Street

Rock Island, IL 61201

United States of America

www.rilcoinc.com

Date: 02/2015

Transportation Emergency Response

CHEMTREC: (800) 424-9300

Health Emergency

RILCO 309-788-5631

SECTION 2: HAZARDS IDENTIFICATION

Appearance Amber colored liquid
Odor Strong
Principal Hazards May cause allergic skin reaction
May cause slight, transient irritation to the eyes.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	WT % (approx)
Distillates (petroleum)	Mixture	90 – 99
Olefin sulfide	Confidential	1 – 5
Phosphoric acid esters	Confidential	1 – 5
Alkenyl amine	Confidential	<1

SECTION 4: FIRST AID MEASURES

Eyes Flush eyes cautiously with clean, low-pressure water for at least 15 minutes, occasionally lifting the eyelids. Get medical attention if irritation develops or persists.

Skin Wash skin thoroughly with plenty of soap and water. Immediately remove contaminated clothing. Launder contaminated clothing before reuse. Discard saturated leather gloves and shoes. If irritation persists, get medical attention.

Oral DO NOT INDUCE VOMITING. If more than a half-cup full of this material is swallowed, give quantities of water and obtain medical attention. Do not give anything by mouth to an unconscious person.

Inhalation Vaporization is not expected at ambient temperatures. This material is not expected to be an inhalation problem under the anticipated conditions of use. In

case of overexposure, move person to fresh air. If breathing has stopped, resuscitate and administer oxygen if available. See medical attention immediately.

**Note to
Physician**

Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point	446 - 509°F (230 - 260°C)	Method of determination: COC D92
Extinguishing Media	Carbon dioxide, dry chemical, foam or water spray. Water may be used to cool exposed containers. Water or foam may cause splattering. Material will float on water.	
Fire Fighting Instructions	For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of combustion products and oxygen deficiencies.	

SECTION 6: ACCIDENTAL RELEASE MEASURES

Ensure your own health and safety before attempting spill control or clean up. Take the proper precautions see Section 1 for Emergency Overview, Section 8 for Personal Protection and Section 13 for Disposal Considerations.

Small Spill	Absorb spill with an inert material (e.g., dry sand or earth), then place in a chemical waste container. Use caution, material may present a slipping hazard.
Large Spill	Contain spill and prevent it from entering all water bodies, if possible. Safely stop flow of spill. Evacuate non-essential personnel from immediate spill area. Ventilate area if spilled in a confined space or other poorly ventilated areas. Seek the advice of ecologists for clean up in natural environments. This material will float on water. Absorbent materials and pads can be used. Maximize product recovery for reuse or recycling. Transfer liquids and solid diking material to separate, suitable containers for recovery or disposal. Comply with all applicable laws. Spills may need to be reported to the National Response Center (800-424-8802).

SECTION 7: HANDLING AND STORAGE

Handling	Keep away from heat, sparks and flame. Keep containers closed when not in use. Do not discharge into drains or the environment; dispose to an authorized waste collection point. Use appropriate containment to avoid environmental contamination. Hands should be washed thoroughly after handling. When transferring material, use proper bonding and/or grounding procedures.
Storage	KEEP OUT OF REACH OF CHILDREN! Odorous and toxic fumes may form from decomposition of this material if stored in temperatures in excess of 113 Deg. F (45 Deg. C) for extended periods of time.
Storage Temperature	Ambient
Storage Pressure	Atmospheric

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Guidelines:

COMPONENT	OSHA		ACGIH	
	TWA	STEL	TWA	STEL
Hydrotreated Distillate, Heavy Paraffinic (Oil mist)	5 mg/m ³	N/E	5 mg/m ³	10 mg/m ³
Solvent Refined Heavy Paraffinic (Oil Mist)	5 mg/m ³	N/E	5 mg/m ³	10 mg/m ³
Additive Mixture (Oil Mist)	5 mg/m ³	N/E	5 mg/m ³	10 mg/m ³
Olefin Sulfide	N/E	N/E	N/E	N/E
Alkenyl Imidazoline	N/E	N/E	N/E	N/E

Engineering Controls

Use adequate ventilation to keep oil mists of this material below applicable guideline(s)/standard(s).

Respiratory Protection

Under normal conditions, a respirator is not required. If exposure exceeds the occupational exposure limits, follow OSHA standards or equivalent and wear proper NIOSH/MSHA-approved respiratory equipment.

Skin Protection

Use chemical resistant gloves to avoid prolonged or repeated skin contact. Always check the manufacture recommendations. Gloves should be replaced if signs of degradation or chemical breakthrough occur. Long sleeve shirt is recommended. When leaving work area, wash hands/exposed skin with soap and water. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction.

Eye Protection

Use splash goggles or face shield when eye and face contact is possible due to splashing or spraying of material. Eye wash water should be available. Hard contact lenses should not be worn.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (TYPICAL)

Appearance	Amber
Flash Point	446 - 509 Deg. F (230 - 260 Deg. C) by COC D92
Odor	Strong
Specific Gravity	0.87 – 0.89 @ 60 Deg. F
Solubility in water	Negligible
Vapor Pressure	Not determined
Vapor Density	Not Determined
Percent Volatile	Not Determined
Boiling Point	Not Determined
Viscosity @ 100 Deg C	13.6 – 24.0 centistokes

SECTION 10: STABILITY AND REACTIVITY

Stability

Material is considered stable at room temperature and pressure. Avoid heat, sparks and open flame.

Incompatibility	Strong oxidizing agents
Thermal Decomposition	Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Trace amounts of hydrogen sulfide and alkyl mercaptans and sulfides may also be released. Complete combustion will form oxides of the following elements: phosphorus, nitrogen, sulfur. Free aromatic amine may also be liberated in reducing atmosphere.
Polymerization	None
Conditions to avoid	None

SECTION 11: TOXICOLOGICAL INFORMATION

Eye Irritation	May cause slight, temporary irritation, based on component data. This product contains a component with an ingredient that has caused eye irritation in laboratory animals.
Skin Irritation	Not expected to be a primary irritant. Prolonged or repeated exposure may cause mild irritation resulting in redness, edema, drying or cracking of skin, based on component data. Personnel with pre-existing skin disorders should avoid contact with this product. This product contains a component with an ingredient that has caused skin irritation in laboratory animals.
Respiratory Irritation	No significant adverse health effects are expected to occur under normal conditions of use. However, exposure to petroleum mist at high levels may be irritating to the nose, throat and lungs.
Oral Toxicity	No significant adverse health effects are expected to occur upon short-term exposure based on data from components.
Dermal Sensitization	Material contains a component that may cause skin sensitization. This component is present at less than 1% of the final blend.
Chronic Toxicity	No data
Carcinogenicity	This product is formulated with mineral oils, which are considered to be severely refined and not considered to be carcinogenic under IARC. The IP346 test has not been used to evaluate all the oils.
Mutagenicity	No Data
Teratogenicity	No Data
Reproductive Toxicity	No Data

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	The spilled material and any soil or water that it has contaminated may be hazardous to animal/aquatic life.
Environmental Fate	Component data indicates that plants and animals may experience harmful or fatal effects when coated with petroleum products.

SECTION 13: DISPOSAL CONSIDERATIONS

To determine the proper method of disposal, refer to RCRA (40 CFR 261) as well as federal EPA and state and local regulations. Conditions of use may cause this material to become a “Hazardous Waste”, as defined by state or federal laws. Use approved treatment, transporters and disposal sites in compliance with all applicable laws.

EMPTY CONTAINER WARNING: Empty containers contain residue, which may exhibit the hazards of the product. Do not attempt to refill or clean containers since residue is difficult to remove. Do not pressurize, cut, heat or weld containers.

SECTION 14: TRANSPORT INFORMATION

DOT Hazard Class: Not Regulated
UN/NA Number: Not Regulated
IMO: Not Regulated
IATA: Not Regulated

SECTION 15: REGULATORY INFORMATION

GLOBAL REGULATORY INFORMATION

United States (TSCA) All ingredients are on the inventory.
Other TSCA Reg. None known
Canada (DSL) Contains an ingredient that may not be on inventory.
European Union (EINECS) Contains an ingredient that may not be on inventory.
Japan (METI) Contains an ingredient that may not be on inventory.
Philippines Contains an ingredient that may not be on inventory.
South Korea (KECL) Contains an ingredient that may not be on inventory.
Australia (AICS) Contains an ingredient that may not be on inventory.
China Contains an ingredient that may not be on inventory.

U. S. REGULATORY INFORMATION

Super fund Amendments and Reauthorization Act of 1986 (SARA), Title III This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.

SARA Extremely Hazardous List This product does not contain greater than 1.0 % of any chemical on The SARA Extremely Hazardous list.

CERCLA Hazardous Substance: None known.

SARA 311 CLASSIFICATIONS:

Acute Hazard	Yes
Chronic Hazard	No
Fire Hazard	No
Reactivity Hazard	No

Cal. Prop 65 Based on information currently available, this product may contain the following

chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 based on maximum impurity levels of components: <1ppm cadmium, <1 ppm lead, <2 ppm arsenic, <3 ppm Ethyl acrylate, CAS no. 140-88-5. If this product is reformulated or further processed, further evaluation should be done based upon such reformulation or processing, as well as upon its final composition and use.

SECTION 16: OTHER INFORMATION

US NFPA Codes

Health	Fire	Reactivity	Special
1	1	0	N/E

HMIS Codes

Health	Fire	Reactivity
1	1	0

Date: 23 July 2013
Revision Date: None
Revision Indicators: None

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