

Safety Data Sheet

SDS Number: GEAR-1
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Version No: 1



1. IDENTIFICATION

Product Name: TEC-GUARD® Extreme Limited Slip 80W-90 Gear Oil
Synonyms/Intended Use: Gear Oil
Company Name & Address: RILCO, 1320 1st Street, Rock Island, IL 61201
For More Information Call: (309) 788-5631 (Monday-Friday 8:00-4:30)
In Case of Emergency Call: (800) 424-9300 Chemtrec (24 Hours/7 Days)

2. HAZARD(S) IDENTIFICATION

Hazard Classification: Not Classified

Hazard Class :	Category:	Hazard Statement:

See section 16 for full list of H statements.

Signal Word: None

Hazard Statement(s): None

This material is not considered hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200.

Pictogram(s): None

Precautionary Statement(s):

- P273 Avoid release to the environment.
- P501 Dispose of contents/container to appropriate waste disposal facility, in accordance with local/regional/national/international regulations.

Description of Other Hazards:

High-pressure injection under skin may cause serious damage. Excessive exposure may result in eye, skin, or respiratory irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance: N/A

Chemical Name	CAS#	% By Weight	GHS-US

The exact concentrations of ingredients are considered proprietary and are being withheld as a Trade Secret in accordance with paragraph (i) of §1910.1200. In addition, there is batch-to-batch variability in ingredient concentrations.

Mixture:

Chemical Name	CAS#	% By Weight	GHS-US
OLEFIN SULFIDE	68937-96-2	< 5	H227, H317, H413
PHOSPHORIC ACID ESTERS, AMINE SALT		<2.5	H227, H302, H317, H318, H401, H411

As per paragraph (i) of 29 CFR 1910.1200, formulation is considered a trade secret and specific chemical identity and exact percentage (concentration) of composition may have been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals, employees, or designated representatives in accordance with applicable provisions of paragraph (i).

4. FIRST-AID MEASURES

Description of First-Aid Measures:

First-Aid Measures General:

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-Aid Measures after Inhalation:

Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a

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mechanical device or use mouth-to-mouth resuscitation.

First-Aid Measures after Skin Contact:

Wash contact areas with soap and water. If product is injected into or under the skin, or into any part immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

First-Aid after Eye Contact:

Flush thoroughly with water. If irritation occurs, get medical assistance.

First-Aid after ingestion:

First aid is normally not required. Seek medical attention if discomfort occurs.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Agents:

Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

Unsuitable Extinguishing Agents:

Do not use a heavy water stream. Will float and can be reignited on water surface.

Protective Equipment/Precautions

for Firefighters:

Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

6. ACCIDENTAL RELEASE MEASURES

Notification Procedures:

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. US regulations require reporting releases of this material to the environment which exceed the applicable reportable quantity or oil spills which could reach any waterway including intermittent dry creeks.

Protective Measures:

Avoid contact with spilled material. See Section 5 for fire fighting

information. See the Hazard Identification Section for Significant Hazards. See Section 4 for First Aid Advice. See Section 8 for advice on the minimum requirements for personal protective equipment. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders.

For emergency responders: Respiratory protection: respiratory protection will be necessary only in special cases, e.g., formation of mists. Half-face or full-face respirator with filter(s) for dust/organic vapor or Self Contained Breathing Apparatus (SCBA) can be used depending on the size of spill and potential level of exposure. If the exposure cannot be completely characterized or an oxygen deficient atmosphere is possible or anticipated, SCBA is recommended. Work gloves that are resistant to hydrocarbons are recommended. Gloves made of polyvinyl acetate (PVA) are not water-resistant and are not suitable for emergency use. Chemical goggles are recommended if splashes or contact with eyes is possible. Small spills: normal antistatic work clothes are usually adequate. Large spills: full body suit of chemical resistant, antistatic material is recommended.

Measures for Cleaning/Collecting: Land Spill: Stop leak if you can do it without risk. Recover by pumping or with suitable absorbent. Water Spill: Stop leak if you can do it without risk. Confine the spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants. Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

Environmental Precautions: Large Spills: Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source). When the material is handled in bulk, an electrical spark could ignite any flammable vapors from liquids or residues that may be present (e.g., during switch-loading operations). Use proper bonding and/or ground procedures. However, bonding and grounds may not eliminate the hazard from static accumulation. Consult local applicable standards for guidance.

Storage: The type of container used to store the material may affect static accumulation and dissipation. Do not store in open or unlabeled containers. Keep away from incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters: When mists/aerosols can occur the following are recommended:
5 mg/m³ - ACGIH TLV (inhalable fraction), 5 mg/m³ - OSHA PEL.

NOTE: Limits/standards shown for guidance only. Follow applicable regulations.

Exposure Controls:

Personal Protective Equipment: Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Breathing Equipment: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:
No special requirements under ordinary conditions of use and with adequate ventilation. For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapor warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

Protection of Hands: Wear suitable gloves resistant to chemical penetration.

Eye Protection: Chemical goggles or safety glasses.

Additional Recommendations: Wear suitable protective clothing.



9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties:

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Physical State:	Liquid
Color:	Brown
Odor:	Petroleum-Like Odor
Odor Threshold:	No Data Available
Density:	No Data Available
Freezing Point:	No Data Available
Boiling Point:	>316°C (600°F)
Flash Point:	>180°C (356°F)
Evaporation Rate:	No Data Available
Flammability:	No Data Available
Auto-Ignition Temperature:	No Data Available
Decomposition Temperature:	No Data Available
Vapor Pressure:	No Data Available
Vapor Density:	>2 at 101 kPa
Solubility:	Water: Negligible
Specific Gravity:	No Data Available
Viscosity, Kinematic:	144 cST @ 40°C
Viscosity, Dynamic:	No Data Available

10. STABILITY AND REACTIVITY

Reactivity:	No dangerous reactions known under normal conditions of use.
Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	Direct sunlight. Extremely high or low temperatures. Keep away from open flames, hot surfaces and sources of ignition.
Incompatible Materials:	Keep away from strong acids, strong bases and oxidizing agents.
Hazardous Decomposition Products:	Carbon dioxide. Carbon monoxide. Hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Not Classified

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Skin Irritation: Not Classified
Eye Irritation: Not Classified
Inhalation: Not Classified
Ingestion: Not Classified
Reproductive
Toxicity: Not Classified
Carcinogenicity: Not Classified
STOT-Single
Exposure: Not Classified
STOT-Repeated
Exposure: Not Classified
Aspiration
Hazard: Not Classified

Symptoms/effects after inhalation: ON CONTINUOUS EXPOSURE/CONTACT: May cause respiratory irritation.

Symptoms/effects after skin contact: Contact during a long period may cause light irritation.

Symptoms/effects after eye contact: Direct contact with the eyes is likely to be irritating.

Symptoms/effects after ingestion: Ingestion is likely to be harmful or have adverse effects.

12. ECOLOGICAL INFORMATION

Toxicity: Ecology-General: Not expected to be harmful.
Persistence & Degradability: No additional information available.
Bioaccumulative Potential: Expected to be inherently biodegradable.
Mobility in soil: No additional information available.
Other adverse effects: No additional information available.

13. DISPOSAL CONSIDERATIONS

Product/Packaging Disposal

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Recommendations: Dispose of contents/container, in a safe manner, to appropriate waste disposal facility, in accordance with local/regional/national/international regulations.

14. TRANSPORT INFORMATION

Department of Transportation (DOT): Not Regulated
Transportation of Dangerous Goods: Refer to current TDG Canada for further Canadian regulations.
ADR: Not Regulated
Transport by sea: In accordance with IMDG / IMO: Not Regulated.
Air transport: In accordance with IATA / ICAO: Not Regulated.

15. REGULATORY INFORMATION

U.S. Federal Regulations: This material is not considered hazardous in accordance with OSHA . HazCom 2012, 29 CFR 1910.1200.

International Regulations:

Canada WHMIS: This SDS has been prepared according to the criteria of the Hazardous Products Regulations (HPR) (WHMIS 2015) and the SDS contains all of the information required by the HPR. Applicable GHS information is listed in section 2.2 of this SDS.

EU: No additional information available.

U.S. State Regulations:

California Proposition 65: This product does not contain any substance(s) known to the state of California to cause cancer, developmental toxicity and/or reproductive toxicity.

16. OTHER INFORMATION

NFPA

Health Hazard: 0-Poses no health hazard, no precautions necessary and would offer no hazard beyond that of ordinary combustible materials.

Fire Hazard: 1-Must be preheated before ignition can occur.

Reactivity: 0-Normally stable, even under fire exposure conditions, and are not reactive with water.

NS Symbol: N/A



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Disclaimer: We believe that the information herein is factual but is not intended to be all inclusive. Because safety handling, storing or using the material should satisfy themselves that they have current information regarding the particular way the material is handled, stored or used and that the same is done in accordance with federal, state and local law.

We cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.

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