

Safety Data Sheet

SDS Number: PCMO-2
Issue Date: 06/22/2026
Revised Date: N/A
Version No: 1



1. IDENTIFICATION

Product Name: TEC-GUARD Armor Full Synthetic 5W-20
Chemical Name/Synonyms: Motor Oil, PCMO, 5W-20
Company Name & Address: RILCO, 400 S. 14th Ave, Eldridge, IA 52748
For More Information Call: (800) 522-1150 (Monday-Friday 8:00-4:30)
In Case of Emergency Call: (800) 424-9300 Chemtrec (24 Hours/7 Days)
Use of Substance/Mixture: Motor Oil

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

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:

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Avoid prolonged or repeated contact with used motor oil. Used motor oil has been shown to cause skin cancer in laboratory animals.

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
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	3 - 7	Not Classified

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).

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First-Aid Measures after Inhalation:

Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

First-Aid Measures after Skin Contact:

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

First-Aid after Eye Contact:

Rinse immediately with plenty of water for 15 minutes, lifting lower and upper lids. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

First-Aid after ingestion:

Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER/doctor.

Most Important symptoms and effects, both acute and delayed:

Symptoms after inhalation:	ON CONTINUOUS EXPOSURE/CONTACT: May cause respiratory irritation.
Symptoms after skin contact:	Contact during a long period may cause light irritation.
Symptoms after eye contact:	Direct contact with the eyes is likely to be irritating.
Symptoms after ingestion:	Ingestion is likely to be harmful or have adverse effects.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Agents:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Alcohol-resistant foam. Carbon dioxide. Dry chemical.

Unsuitable Extinguishing Agents:

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

surface.

Protective Equipment/Precautions

for Firefighters:

Cool tanks/drums with water spray/remove them into safety. Fight fire with normal precautions from a reasonable distance. Under fire conditions, hazardous fumes will be present. Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective

Equipment:

Use appropriate personal protection equipment (PPE).

Measures for Environmental

Protection:

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Measures for Cleaning/Collecting:

Contain released product. Plug the leak, cut off the supply. Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained.

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product.

Conditions for Safe Storage:

Store in a dry place. Store in a well-ventilated place. Keep cool. Keep container closed when not in use. Protect from sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not store near food, foodstuffs, drugs or potable water supplies.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

PCMO FS 5W-20:

ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³ Chemical name(s): Oil mist, mineral
ACGIH	ACGIH STEL (mg/m ³)	10 mg/m ³ Chemical name(s): Oil mist, mineral
OSHA	OSHA PEL (Ceiling) (mg/m ³)	5 mg/m ³ Chemical name(s): Oil mist, mineral
OSHA	OSHA Remark	(OSHA) Skin notation

Distillates (petroleum), hydrotreated heavy paraffinic:

ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³ (Mineral oil, pure, highly and severely refined; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction).
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Exposure Controls:

Personal Protective Equipment:

Protective goggles. Gloves. Insufficient ventilation: wear respiratory protection.

Breathing Equipment:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

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:

Physical State:	Liquid
Color:	Brown/Amber
Odor:	Petroleum-Like Odor

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Odor Threshold:	No Data Available
Freezing Point:	No Data Available
Boiling Point:	No Data Available
Flash Point:	220°C (430°F)
Evaporation Rate:	No Data Available
Flammability:	No Data Available
Auto-Ignition Temperature:	No Data Available
Decomposition Temperature:	No Data Available
Vapor Pressure:	<.2
Vapor Density:	No Data Available
Solubility:	Water: Negligible
Specific Gravity:	.85
Kinematic Viscosity @ 40°C, cSt	49.8
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

Skin Irritation: Not Classified

Eye Irritation: Not Classified

Inhalation: Not Classified

Ingestion: Not Classified

Reproductive

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Toxicity:	Not Classified
Carcinogenicity:	Not Classified
STOT-Single	
Exposure:	Not Classified
STOT-Repeated	
Exposure:	Not Classified
Aspiration	
Hazard:	Not Classified

Distillates-64742-54-7:

LD50 oral rat	> 5000 mg/kg bodyweight (Rat; OECD 401: Acute Oral Toxicity; Experimental value)
LD50 dermal rabbit	> 5000 mg/kg bodyweight (Rabbit; Experimental value; Equivalent or similar to OECD 402)
LC50 inhalation rat (mg/l)	> 5.53 mg/l/4h (Rat; Experimental value)

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:

Distillates-64742-54-7:

LC50 fish 1	> 100.00 mg/l (LL50; OECD 203: Fish, Acute Toxicity Test; 96 h; Pimephales promelas; Static system; Fresh water; Experimental value).
Threshold limit algae 1	>= 100 mg/l (NOEL; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value).

Persistence & Degradability:

Distillates-64742-54-7:

Persistence and degradability Not readily biodegradable in water. Adsorbs into the soil.

Bioaccumulative Potential:

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Distillates-64742-54-7:

Bioaccumulative Potential

No bioaccumulation data available.

Mobility in soil:

No additional information available.

Other adverse effects:

No additional information available.

13. DISPOSAL CONSIDERATIONS

Product/Packaging Disposal

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:

Toxic Substances Control Act (TSCA): The intentional ingredients of this product are listed.

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: 1 - Materials that, under emergency conditions, can cause significant irritation.

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



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.

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