

SAFETY DATA SHEET

MACMILLAN RING FREE™SAE 30 CODE: 523

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: MACMILLAN RING FREE™ SAE 30

Product Code: 523

Chemical Name: Motor Oil, Petroleum Oil; Lube Oil, Petroleum hydrocarbon, Lubricant

Chemical Family: Blend

Recommended Use: Motor Oil/Engine Lubricant for Motor Vehicles

Manufacturer: Scot Lubricants LLC

6 Horwith Drive

Northampton, PA 18067

Emergency Telephone Numbers: 484-619-1393

Information: 484-275-7990 8am-5pm EST M-F

2. HAZARD IDENTIFICATION

This material is not considered hazardous by OSHA Hazard Communication Standard 29 CFR 1910.1200

Classification of the substance or mixture Not Classified.

GHS label elements

Hazard Pictograms: None Required

Signal word No Signal Word Not Hazardous

Hazard Statements No know significant effects or critical hazards

Precautionary statements

P273 Avoid release into the environment.

P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

Other Hazards

The mixture consists of substances capable of producing an aspiration hazard. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure, and even death.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Wt. Percent	Component	Synonym	CAS#
0-100	Highly refined petroleum lubricating oil	Lubricating oil base stock	Various*
1.2 – 3.0	Mineral Oil	N/A	Mixture
0.40-0.80	Zinc dialkyl dithiophosphate	N/A	68649-42-3

Component Related Regulatory Information

*Highly refined petroleum lubricating oil contains one or more CAS numbers listed as follows:

64741-88-4, 64742-52-5, 64742-54-7, 64742-55-8, 64742-65-0, 64742-57-0, 64742-01-4, 64742-62-7, 72623-83-7

4. FIRST AID MEASURES

INHALATION: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Oxygen should only be administered by qualified personnel. Someone should stay with victim. Get medical attention if breathing difficulty persists.

EYE CONTACT: If irritation or redness from exposure to vapor develops, move away from exposure into fresh air. Upon contact, flush with water for at least 15 minutes. If irritation persists, obtain medical assistance.

SKIN CONTACT: Remove affected clothing and shoes. Wash with soap and water until no odor remains. Get medical attention if irritation or pain develops or persists. If product is injected under pressure into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, a physician should immediately evaluate the individual as a medical emergency. Wash clothing before reuse.

INGESTION: **Do NOT** induce vomiting. Immediately get medical attention. If spontaneous vomiting occurs, keep head below hips to avoid breathing the product into the lungs. Never give anything to an unconscious person by mouth.

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NOTE TO PHYSICIANS: Treat symptomatically and supportively. Treatment may vary with condition of victim and specifics of incident.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Fire Hazard: Not flammable but will support combustion.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Precautionary Fire Measures: Exercise caution when fighting any chemical fire. Under fire conditions, Hazardous fumes will be present.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Under fire conditions, may produce fumes, smoke, oxides of carbon and hydrocarbons.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures. Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray).

Non-Emergency Personnel: Use appropriate personal protection equipment (PPE)

Emergency Personnel: Protective Equipment – Equip cleanup crew with proper protection

Emergency Procedures: Evacuate unnecessary personnel.

Stop Leak if safe to do so. Eliminate ignition sources. Ventilate area.

Environmental Procedures: Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Containment and Clean Up: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Clean spills up immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

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. Practice good housekeeping as spillage can be slippery on smooth surfaces wither wet or dry. Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Precautions for Safe Storage: Comply with applicable regulations. Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:

COMPONENT EXPOSURE LIMITS

Highly Refined Petroleum Lubricating Oil

ACGIH: 5mg/m³ TWA (sampled by method that does not collect vapor) (related to Oil mist, mineral)

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10 mg/m³ STEL (sampled by method that does not collect vapor) (related to Oil mist, mineral)
OSHA Final: 5 mg/m³ TWA (related to Oil mist, mineral)
OSHA Vacated: 5mg/m³ TWA (related to Oil Mist, mineral)
NIOSH: 5mg/m³ TWA (related to Oil Mist, mineral)
10mg/m³ STEL (related to Oil mist, mineral)

Mineral Oil

ACGIH: 5mg/m³ TWA (sampled by method that does not collect vapor) (related to Oil mist, mineral)
10 mg/m³ STEL (sampled by method that does not collect vapor) (related to Oil mist, mineral)
OSHA Final: 5mg/m³ TWA (related to Oil Mist, mineral)

Control Parameters: For substances listed in Section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

Exposure Controls

Engineering Controls: Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Personnel Protective Equipment: Protective goggles, Gloves



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Environmental Exposure: Do not allow the product to be released into the environment.

Consumer Exposure: Do not eat, drink or smoke during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/ODOR: AMBER FLUID/PETROLEUM ODOR.

VAPOR PRESSURE: LESS THAN 0.1(mm Hg @ 68°F 20°C)

MOLECULAR WEIGHT: N/D

INITIAL BOILD POINT: 501°F (260.56°C) (MINIMUM)

SOLUBILITY IN WATER: INSOLUABLE

EVAPORATION RATE: N/D

SPECIFIC GRAVITY: 0.86 (WATER=1)

RELATIVE DENSITY: 0.86 g/cm³ AT 60°F (15.5°C)

FLASHPOINT: 329°F (165°C) (MINIMUM) CLEVELAND OPEN CUP

FLAMMABLE LIMITS IN AIR: LOWER: N/D UPPER: N/D

AUTO-IGNITION TEMPERATURES: N/D

MELTING POINT: N/D

BOILING RANGE: N/D

FREEZING/MELTING POINT: N/D

pH: N/A

OCTANOL/WATER COEFF: N.D.

ODOR THRESHOLD: N/D

VAPOR DENSITY: >1 (AIR =1)

FLAMABILITY: N/D

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal temperatures and pressures. Avoid sparks, or flame.

INCOMPATIBLE MATERIALS: Avoid oxidizing agents.

REACTIVITY: Polymerization is not known to occur under normal temperatures and pressures. Not reactive with

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water.

HAZARDOUS DECOMPOSITION: None under normal temperatures and pressures. Also see **Section 5: Hazardous Combustion Products.**

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Not Classified

LD50 and LC50 Data: Not Available

Skin Corrosion/Irritation: Not Classified

Eye Damage/Irritation: Not Classified

Respiratory or Skin Sensitization: Not Classified

Germ Cell Mutagenicity: Not Classified

Teratogenicity: Not Classified

Carcinogenicity: Not Classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Over exposure may be irritating to the respiratory system.

Symptoms/Injuries After Skin Contact: Repeated or prolonged skin contact may cause irritation.

Symptoms/Injuries After Eye Contact: Direct contact with the eyes is likely irritating.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse gastrointestinal effects.

Chronic Symptoms: Not Classified

TOXICITY DATA:

Component Analysis – LD50/LC50

Mineral Oil

Dermal LD50 Rabbit >5000 mg/kg

Oral LD50 Rat >5000 mg/kg

Zinc dialkyl dithiophosphate (68649-42-3)

Dermal LD50 Rat >2000 mg/kg

Oral LD50 Rat >2000 mg/kg

12. ECOLOGICAL INFORMATION

Toxicity Ecology – General: Toxic to aquatic life

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)

LC50 Fish 1 1.0-5.0 mg/l (Exposure time: 96h – Species: Pimephales promelas (static))

EC50 Daphnia 1 1-1.5 mg/l (Exposure time: 48h – Species: Daphnia magna)

LC 50 Fish 2 10.0-35.0 mg/l (Exposure time: 96h – Species: Pimephales promelas (semi-static))

Petroleum distillates, solvent dewaxed (64742-65-0)

EC50 Daphnia >1000 mg/L (Exposure time: 48h – Species: Daphnia magna)

LC50 Fish 1 >5000 mg/L (Exposure time: 96h – Species: Oncorhynchus mykiss)

Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)

LC50 Fish 1 >5000 mg/l (Exposure time: 96h – Species: Oncorhynchus mykiss)

EC50 Daphnia 1 >1000 mg/l (Exposure time: 48h – Species: Daphnia magna)

Persistence & Degradability Not Available

Bioaccumulation Potential Not Available

Soil Mobility Not Available

Other Adverse Effects Not Available

13. DISPOSAL INFORMATION

DISPOSAL: Dispose in accordance with federal, state, provincial and local regulations. Regulations may also apply to

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empty containers. The responsibility for proper waste disposal lies with the owner of the waste.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

Consumer Exposure Controls: Do not eat, drink or smoke during use.

14. TRANSPORTATION INFORMATION

In Accordance with DOT	Not regulated
In Accordance with IMDG	Not regulated
In Accordance with IATA	Not regulated
In Accordance with TDG	Not regulated

15. REGULATORY INFORMATION

U.S. Federal Regulations

SARA 311/312 Hazard Class Delayed (chronic) health hazard

US State Regulations

Paraffin oils (8012-95-1)

Massachusetts – Right to Know List

New Jersey – Right to Know Hazardous Substance List

Pennsylvania – Right to Know List

Canadian Regulations

WHMIS Classification Not Classified

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-3)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification Class D Division 2 Subdivision B-Toxic material causing other toxic effects.

Paraffin oils (8012-95-1)

Listed on the Canadian DSL (Domestic Substances List)

Listed on the Canadian IDL (Ingredient Disclosure List) – Concentration 1%

WHMIS Classification Class D Division 2 Subdivision A-Very toxic material causing other toxic effects.

Petroleum distillates, solvent dewaxed (64742-65-0)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification Uncontrolled product according to WHIS classification criteria

Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification Uncontrolled product according to WHIS classification criteria

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

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16. OTHER INFORMATION

DATE ISSUED: August 10, 2015
SUPERSEDES:
REVISION NO.
REVISION INFORMATION: GHS Compliance
SDS #: CODE 523

**SCOT LUBRICANTS LLC
6 HORWITH DRIVE
NORTHAMPTON, PA 18067
484-275-7990**

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