

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Macmillan Ring Free™ Synthetic 5W-20 SN/GF-5

Product Code: 555

Chemical Name: Synthetic Motor Oil

Chemical Family: Engine oil lubricant

Product Use: Motor Oil/Engine Lubricant for Motor Vehicles

Manufacturer: Scot Lubricants LLC

6 Horwith Drive
Northampton, PA 18067

Emergency Telephone Numbers: 484-619-1319

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

Signal word No Signal Word Not Hazardous
Hazard Statements No known significant effects or critical hazards

Precautionary statements

General Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention P273 Avoid release into the environment.
Response P391 Collect Spillage
Storage Not Applicable
Disposal 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.

Unknown Acute Toxicity(US)

20.73 percent of the mixture consists of ingredient(s) of unknown acute toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Wt. Percent | Component | Synonym | CAS# |
|-------------|---|-----------------------------------|------------|
| 0 - 97 | Hydrotreated Distillate, Heavy Paraffin C20-50 | Highly Refined Synthetic Base Oil | 64742-54-7 |
| 0 – 97 | Hydrotreated Distillate, Light Paraffin C15-30 | Highly Refined Synthetic Base Oil | 64742-55-8 |
| 2 – 6 | Mineral Oil | N/A | Mixture |
| 0.4 -0.9 | Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts | | 68649-3 |

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.

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 dry chemical, CO₂, water spray (FOG) or foam.

Unsuitable Extinguishing Media

Avoid solid water stream as it may scatter and spread fire.

Specific Hazards Arising from Chemical

Elevated temperatures can lead to the formation of irritating fumes and vapors. Decomposing products may include the following materials. Carbon dioxide and Carbon monoxide.

Protective Equipment and Precautions for Firefighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Put on appropriate personal protective equipment.

Environmental Precautions

Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas.

Method for containment

Stop leak if without risk.

Methods for Cleanup

Cover liquid spill with sand, earth or other noncombustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled container.

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

Hydrotreated Distillate, Heavy Paraffin C20-50

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

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

Hydrotreated Distillate, Light Paraffin C15-30

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: 5mg/m³ TWA (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)

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.

OTHER: Where spills and splashes are likely, facilities storing or using these products should be equipped with emergency eyewash and shower, both equipped with clean water, in the immediate work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|--------------------------------------|
| APPEARANCE/ODOR: AMBER FLUID/HYDROCARBON ODOR. | BOILING POINT: HIGH |
| VAPOR PRESSURE: LESS THAN 1 MM HG AT 68 ⁰ F (20 ⁰ C) | MELTING POINT: N/A |
| MOLECULAR WEIGHT: N/A | PACKING DENSITY: N/A |
| SOLUBILITY IN WATER: INSOLUBLE | OCTANOL/WATER COEFF: N.D. |
| EVAPORATION RATE: N/A | ODOR THRESHOLD: N.A. |
| RELATIVE DENSITY: 0.86 G/CM ³ AT 60 F (15.5 ⁰ C) | VAPOR DENSITY: >1(AIR = 1) |
| SPECIFIC GRAVITY: 0.86 (ESTIMATED) (WATER=1) (APPROXIMATELY) | AUTOIGNITION TEMPERATURE: N/A |
| FLAMMABILITY: N/A | |
| FLASH POINT: 329 ⁰ F (165 ⁰ C) (MINIMUM) (CLEVELAND OPEN CUP) | |
| FLAMMABLE LIMITS IN AIR: LOWER: N/A UPPER: N/A | pH: N/A |

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal temperatures and pressures.

INCOMPATIBLE MATERIALS: Avoid oxidizing agents and reducing agents.

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

HAZARDOUS DECOMPOSITION: None under normal temperatures and pressures.

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

Hydrotreated Distillate, Heavy Paraffin C20-50

Oral LD50>5 g/kg

Dermal LD50>2 g/kg

Inhalation LC50>5 mg/L

Hydrotreated Distillate, Light Paraffin C15-30

Oral LD50>5 g/kg

Dermal LD50>2 g/kg

Inhalation LC50>5 mg/L

Mineral Oil

Dermal LD50 Rabbit >5000 mg/kg

Oral LD50 Rat >5000 mg/kg

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

Dermal LD50 Rat >2000 mg.kg

Oral LD50 Rat >2000 mg/kg

12. ECOLOGICAL INFORMATION

ECOTOXICITY - Material may be harmful to aquatic organisms. May cause long term adverse effects in aquatic environments.

PERSISTENCE/DEGRADABILITY – Not readily biodegradable.

BIOACCUMULATIVE POTENTIAL - No information available for this product.

MOBILITY IN ENVIRONMENT – Base oil component(s) – Low solubility and floats; expected to migrate from water to land.

OTHER ADVERSE EFFECTS – N/A

OCTANOL/WATER PARTITION COEFFICIENT – N/A

VOLATILE ORGANIC COMPOUNDS - Negligible

AQUATIC RELEASE - Advise authorities if product has entered or may enter watercourses or sewer drains.

13. DISPOSAL INFORMATION

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

apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste.
USEPA WASTE CODES; This product, if discarded, is not expected to be a characteristic or listed hazardous waste. If recycled in the USA, it must be managed in accordance with 40 CFR Part 279. Processing, use, or contamination by user may change the waste code(s) applicable to the disposal of this product.

14. TRANSPORTATION INFORMATION

DOT**PROPER SHIPPING NAME** Petroleum Lubricating Oil**HAZARD CLASS:** Not regulated**ID NUMBER:** Not regulated**LABEL REQUIRED:** Not regulated**EMERGENCY RESPONSE:** N/A Reference North American Emergency Response Guidebook.**IATA:** 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.

16. OTHER INFORMATION

DATE ISSUED: February 16, 2015
SUPERSEDES: August 13, 2014
REVISION NO.
REVISION INFORMATION: GHS Compliance
SDS #: CODE 555

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

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