

MATERIAL SAFETY DATA SHEET

Page 1 of 4

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Macmillan Die-Electric Oil

Product Code: 311247 - 01247

Chemical Name: Petroleum Lubricating Oil Base Stock

Chemical Family:

Manufacturer: Scot Lubricants of PA
1801 E. Tremont Street
P.O. Box 326
Allentown, PA 18105

Emergency Telephone Numbers:
Information: 610-433-2527 8am-5pm EST M-F
Medical Emergency Telephone: 800-876-7268

2. COMPONENTS AND HAZARD INFORMATION

COMPONENTS	CAS NO. OF COMPONENTS	APPROXIMATE CONCENTRATION
Distillates (petroleum), hydro treated heavy paraffinic	64742-54-7	100%
or	or	
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	

EXPOSURE LIMIT FOR TOTAL PRODUCT

5 mg/m³ for oil mist (aerosol) for an 8-hour workday.

BASIS

OSHA Regulation 29 CFR 1910.1000 and recommended by the American Conference of Governmental Industrial Hygienists (ACGIH). ACGIH states that the air is to be sampled by a method that does not collect vapor; in addition, it lists a 10 mg/m³ STEL.

3. HAZARD IDENTIFICATION

Emergency Overview:

APPEARANCE: CLEAR LIQUID, LIGHT ORANGE COLOR

ODOR: MILD, BLAND PETROLEUM ODOR

POTENTIAL HEALTH EFFECTS:

INHALATION: NO EFFECTS EXPECTED.

INGESTION: PRACTICALLY NON-TOXIC.

EYE CONTACT: EXPECTED TO BE MINOR EYE IRRITANT.

SKIN CONTACT: MAY CAUSE MODERATE IRRITATION WITH PROLONGED OR REPEATED CONTACT.

CARCINOGEN LISTED BY: IARC (NO) NTP (NO) OSHA (NO) ACGIH (NO) OTHER (NO)

NFPA/HMIS CLASSIFICATION

HEALTH - 1/1
FLAMMABILITY - 1/1
REACTIVITY - 0/0

HAZARD RATING

0= LEAST 1=SLIGHT
2=MODERATE 3=HIGH
4=EXTREME

Revision: 04/30/2007

A=Not Applicable

ND=No Data

NE=Not Established

4. FIRST AID MEASURES

INHALATION: If overcome by vapor from hot product, remove immediately from exposure and call a physician. If breathing is irregular or has stopped, start resuscitation; administer oxygen if available.

EYE CONTACT: Flush with water for at least 15 minutes. If irritation persists, obtain medical assistance.

SKIN CONTACT: Wash with soap and water until no odor remains. If redness or swelling develops, obtain medical assistance. Wash clothing before reuse. If product is injected into or under the skin, or into any part of the

body, regardless of the appearance of the wound or its size, the individual should be evaluated 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.

INGESTION: Do not induce vomiting; call a physician immediately.

5. FIRE AND EXPLOSION HAZARD INFORMATION

FLASHPOINT (METHOD): 221°C 177°C Minimum COC

Flammable Limits: Not established

Auto-ignition Temp: 675°F Estimated; 359°C Estimated

EXTINGUISHING MEDIA: Water spray, dry chemical, carbon dioxide (CO₂), foam.

FIRE FIGHTING INSTRUCTIONS: Avoid breathing smoke and vapor.

FIRE FIGHTING EQUIPMENT: Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers cool

HAZARDOUS COMBUSTION PRODUCTS: Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

SPILLS OR LEAKS: Contain spill, advise EPA, state agency, if required. Absorb on inert material, shovel, sweep, or vacuum spill.

7. HANDLING AND STORAGE

NFPA Class IIIB Storage. Wash thoroughly after handling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Ventilate as needed to comply with exposure limit. General dilution ventilation acceptable.

PERSONAL PROTECTIVE EQUIPMENT –

EYE: Splash proof chemical goggles recommended to protect against splash of product.

GLOVES: Protective gloves recommended when prolonged skin contact cannot be avoided. The following glove materials are acceptable: polyvinyl chloride (PVC); neoprene; nitrile; polyvinyl alcohol; viton.

RESPIRATOR: Concentration in air determines protection needed. Use only NIOSH certified respiratory protection. Respiratory protection usually not needed unless product is heated or misted. Half-mask air purifying respirator with dust/mist filters or HEPA filter cartridges is acceptable to 10 times the exposure limit. Full-face air purifying respirator with dust/mist filters of HEPA filter cartridges is acceptable to 50 times the exposure limit.

Protection by air purifying respirators is limited. Use a positive pressure demand full-face supplied air respirator or SCBA for exposures above 50X the exposure limit. If exposure is above IDLH (immediately dangerous to life and health) or there is the possibility of an uncontrolled release or exposure levels are unknown then use a positive pressure demand full face supplied air respirator with escape bottle or SCBA.

OTHER: If contact is unavoidable, wear chemical resistant clothing. The following materials are acceptable as protective clothing materials: polyvinyl alcohol (PVA); polyvinyl chloride (PVC); neoprene; nitrile; viton; polyurethane; launder soiled clothes.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/ODOR: RED FLUID/SLIGHT ODOR.
VAPOR PRESSURE: <0.0001 (MM HG @ 20°C)
MOLECULAR WEIGHT: N/A (G/MOLE)
SOLUBILITY IN WATER: NIL (% BY VOLUME)
EVAPORATION RATE: 1000X SLOWER (ETHYL ETHER=1)
SPECIFIC GRAVITY: 0.86 (WATER=1)
VISCOSITY: 50.0 SUS @ 210°F 32.8 CST @ 40°C

BOILING POINT: HIGH
MELTING POINT: N/A
PACKING DENSITY: N/A
OCTANOL/WATER COEFF: N.D.
ODOR THRESHOLD: N.D.
VAPOR DENSITY: 10+ (AIR =1)

10. STABILITY AND REACTIVITY

STABILITY: Stable.
CONDITIONS TO AVOID: None known.
MATERIALS TO AVOID: Strong oxidizing agents.
HAZARDOUS POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION: Combustion will produce carbon monoxide and asphyxiants.

11. TOXICOLOGICAL INFORMATION

FOR THE PRODUCT –

INHALATION: Low acute toxicity. **SKIN:** expected to be acutely non-toxic if absorbed. mild irritation with prolonged/repeated contact. **EYE:** mildly irritating on contact. **ORAL:** practically non-toxic.
SEVERELY SOLVENT REFINED HEAVY PARAFFINIC PETROLEUM OIL – INHALATION: low acute toxicity. **SKIN:** practically non-toxic if absorbed; may cause moderate irritation with prolonged and repeated contact. **EYE:** minimally irritating on contact. **INGESTION:** Practically non-toxic if swallowed.
SEVERELY SOLVENT REFINED LIGHT PARAFFINIC PETROLEUM OIL –
INHALATION: low acute toxicity. **SKIN:** practically non-toxic if absorbed; may cause moderate irritation with prolonged and repeated contact. **EYE:** minimally irritating on contact. **INGESTION:** Practically non-toxic. Harmful or fatal is swallowed and/or vomiting occurs, because it can enter the lungs and cause damage.
PULMONARY ASPIRATION HAZARD.
BORATED POLYISOSOBUTENYL SUCCINIC ANHYDRIDE – No data available for all routes of exposure.
SUBSTITUTED ALKYL PHOSPHITE: No data available for all routes of exposure.
POLYMETHACRYLATE COPOLYMER: No data available for all routes of exposure.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: No data available.

13. DISPOSAL INFORMATION

Follow federal, state and local regulations. Not RCRA hazardous waste if uncontaminated. If “used”, RCRA criteria (ignitability, reactivity corrosivity, toxicity characteristics) must be determined. Do not flush to drain/storm sewer. Contract to authorized disposal service.

14. TRANSPORTATION INFORMATION

DOT

PROPER SHIPPING NAME Petroleum Lubricating Oil
 HAZARD CLASS: Not regulated
 ID NUMBER: Not regulated
 LABEL REQUIRED: Not regulated
 IMDG PROPER SHIPPING NAME: N.D.
 IATA PROPER SHIPPING NAME: N.D.

15. REGULATORY INFORMATION

TSCA: This material is in compliance with the TOXIC SUBSTANCES CONTROL ACT (15 USC 2601-2629) and is listed in the TSCA Inventory.

SARA 302 THRESHOLD PLANNING QUANTITY	N/A		
SARA 304 REPORTABLE QUANTITY	N/A		
SARA 311/312 REPORTING:	Health	Immediate (Acute)	No
	Health	Delayed (Chronic)	No
	Physical	Fire	No
	Physical	Sudden Release of Pressure	No
	Physical	Reactive	No

When a product and/or component are listed below, the regulatory list on which it appears is indicated.

01=SARA 313	02= SARA 302/304	03=IARC CARCINOGEN
04=OSHA CARCINOGEN	05=ACGIH CARCINOGEN	06=NTP CARCINOGEN
07=CERCLA 302.4	08=WHMIS CONTROLLED PROD.	10=OTHER CARCINOGEN

PA=PA RTK	NJ=NEW JERSEY RTK	CA=CALIFORNIA PROP 65
MA=MASS. RTK	MI=MICHIGAN 406	MN=MINNESOTA RTK
FL=FLORIDA	RI=RHODE ISLAND	IL=ILLINOIS
NY=NEW YORK	WV=WEST VIRGINIA	CT=CONNECTICUT
LA=LOUISIANA	ME=MAINE	OH=OHIO

16. OTHER INFORMATION

SCOT LUBRICANTS OF PA, INC.
1801 E. TREMONT STREET
P.O. BOX 326
ALLENTOWN, PA 18105
610-433-2527

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