

# MATERIAL SAFETY DATA SHEET



Date Issued: 11/17/2011  
MSDS No: RPBIO-111711

## Royal Purple® Break-In Oil

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Royal Purple® Break-In Oil  
**GENERAL USE:** Lubricant and corrosion inhibitor  
**CHEMICAL FAMILY:** Synthetic based lubricating oil

#### MANUFACTURER

Royal Purple, Inc.  
One Royal Purple Lane  
Porter, TX 77365  
**Product Stewardship:** 281-354-8600

#### DISTRIBUTOR

Royal Purple Oils Australia Pty Ltd  
41/2 Richard Close  
North Rocks  
Sydney, NSW 2151  
(612) 9683 5078 (0417 438279, Cell Phone)  
**Emergency Contact:** Eian Jones

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

**USA :** 800-424-9300  
**International :** 703-527-3887(collect calls accepted)

### 2. HAZARDS IDENTIFICATION

#### POTENTIAL HEALTH EFFECTS

**EYES:** May cause irritation.  
**SKIN:** May irritate the skin after prolonged periods of contact.  
**INGESTION:** May cause diarrhea.  
**INHALATION:** Oil mist may line breathing passages with oil making breathing difficult.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

- Base Oil (synthetic with highly refined mineral oil) — Synthetic additives with iso-paraffinic diluents.
- The precise composition of this oil is proprietary. A more complete disclosure will be provided to a physician or nurse in the event of a medical emergency.
- All components of this product are listed on the U.S. TSCA inventory.
- This product contains no hazardous substances within the definition of OSHA Regulation 29 CFR 1910.1200.
- Royal Purple certifies that this product has been evaluated for RCRA characteristics and does not meet the criteria of a hazardous waste if discarded in its purchased form.

### 4. FIRST AID MEASURES

**EYES:** Flush with water until all residual material is gone. If irritation persists, seek medical help.  
**SKIN:** Wash thoroughly with hand cleanser, followed by soap and water. Contaminated clothing should be dry cleaned before reuse.  
**INGESTION:** Wash out mouth immediately. Do not induce vomiting. Consult physician.  
**INHALATION:** Clear air passage. If respiratory difficulty continues, seek medical help.

### 5. FIRE FIGHTING MEASURES

**FLASH POINT AND METHOD:** 204°C (400°F) COC

**AUTOIGNITION TEMPERATURE:** > 315°C (600°F)

**EXTINGUISHING MEDIA:** Foam, dry powder, Halon®, carbon dioxide, sand, earth and water mist.  
Unsuitable: Water jet.

**OTHER CONSIDERATIONS:** Not flammable at ambient temp.

**FIRE FIGHTING EQUIPMENT:** Self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Contain spill and keep from entering waterways. Absorb on porous material. Large quantities can be pumped.

### ENVIRONMENTAL PRECAUTIONS

**LAND SPILL:** Do not allow it to enter drains.

**SPECIAL PROTECTIVE EQUIPMENT:** Wear gloves and protective overalls.

## 7. HANDLING AND STORAGE

**HANDLING:** No special handling precautions necessary.

**STORAGE:** Do not store at elevated temperatures.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Glasses, if applied to parts in motion.

**SKIN:** Oil-proof gloves for hypersensitive persons.

**RESPIRATORY:** Hydrocarbon absorbing respirator if misting.

**PROTECTIVE CLOTHING:** Overalls.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Lube Oil

**COLOR:** Purple

**pH:** Neutral

**PERCENT VOLATILE:** None

**VAPOR PRESSURE:** < 0.1 kPa

**VAPOR DENSITY:** Greater than air

**BOILING POINT:** > 218°C (420°F)

**POUR POINT:** < -18°C

**FLASH POINT AND METHOD:** 204°C (400°F) COC

**SOLUBILITY IN WATER:** Emulsifiable

**EVAPORATION RATE:** Negligible

**SPECIFIC GRAVITY:** 0.870

## 10. STABILITY AND REACTIVITY

**STABILITY:** Chemically stable under normal conditions. No photoreactive agents.

**CONDITIONS TO AVOID:** Powerful sources of ignition and extreme temperatures.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon, sulfur and nitrogen. Residue mainly comprised of soot and mineral oxides.

**INCOMPATIBLE MATERIALS:** Strong inorganic and organic acids, oxidizing agents.

## 11. TOXICOLOGICAL INFORMATION

**ACUTE****ORAL LD<sub>50</sub>:** > 2000 mg/kg**Notes:** Extrapolated from component data**INHALATION LC<sub>50</sub>:** NA = Not Applicable**SKIN EFFECTS:** Very mild**CHRONIC:** None known.**SUBCHRONIC:** None known.**CARCINOGENICITY****IARC:** No**NTP:** No**OSHA:** No**SENSITIZATION:** Not known**12. ECOLOGICAL INFORMATION**

**ENVIRONMENTAL DATA:** Due to its fluid nature and specific gravity, this product will float or spread across water making it a nuisance contaminant. It is not thought to be toxic to marine or land organisms.

**BIOACCUMULATION/ACCUMULATION:** Relatively well behaved. Bioaccumulation potential nil.

**GENERAL COMMENTS:** When released into the environment, adsorption to sediment and soil will be the predominant behavior.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Consider recycling. This product, as sold, does not meet the RCRA characteristics of a hazardous waste. Under RCRA, it is the responsibility of the user, at the time of disposal, to determine whether the product meets the RCRA criteria for hazardous waste. Contact a waste disposal company or local authority for advice.

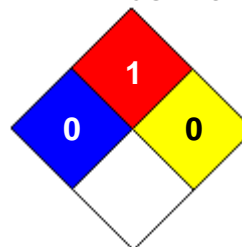
**EMPTY CONTAINER:** See waste disposal section listed above.

**RCRA HAZARD CLASS:** Nonhazardous sources

**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)****UN/NA NUMBER:** N/A**OTHER SHIPPING INFORMATION:** Nonhazardous**ROAD AND RAIL (ADR/RID):** Bulk Nonhazardous**AIR (ICAO/IATA):** Bulk Nonhazardous**VESSEL (IMO/IMDG):** Bulk Nonhazardous**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****311/312 HAZARD CATEGORIES:** None**313 REPORTABLE INGREDIENTS:** N/A**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)****CERCLA REGULATORY:** Nonhazardous**TSCA (TOXIC SUBSTANCE CONTROL ACT)****TSCA REGULATORY:** All components are listed**CALIFORNIA PROPOSITION 65:** N/A

**CANADA****WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):** Not regulated**DOMESTIC SUBSTANCE LIST (INVENTORY):** All components are listed**16. OTHER INFORMATION****PREPARED BY:** W. Carter**REVISION SUMMARY:** New MSDS**HMIS RATING**

<b>HEALTH:</b>	<b>0</b>
<b>FLAMMABILITY:</b>	<b>1</b>
<b>PHYSICAL HAZARD:</b>	<b>0</b>
<b>PERSONAL PROTECTION:</b>	<b>B</b>

**NFPA CODES**

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