

## ROYAL PURPLE<sup>®</sup> EXTREME PERFORMANCE RACING OILS

Royal Purple's XPR (Extreme Performance Racing) oils are recommended for use in various racing applications, and are popular in a variety of motorsports including: NASCAR, NHRA, World of Outlaws and Bonneville Salt Flats.

Royal Purple's XPR oils provide more protection than other racing oils - mineral or synthetic - including those combined with aftermarket additives. Professional engine builders and race teams cite increased horsepower and longer engine life with the use of Royal Purple, that gains its performance advantages from Royal Purple's proprietary Synerlec<sup>®</sup> additive technology.

### RACING OILS

- **XPR 3.1**  
XPR 3.1 0W-5 is the lowest viscosity engine oil designed for the most competitive classes such as Pro Stock, Pro Stock Bike, Comp Eliminator and NASCAR Cup (qualifying). The ultra low viscosity provides the most horsepower possible by keeping parasitic losses to an absolute minimum while providing unparalleled protection.
- **XPR 0W-10**  
XPR 0W-10 is an ultra-light viscosity motor oil formulated for gasoline engines used in drag racing, motorcycle sprint racing, etc.
- **XPR 5W-20**  
XPR 5W-20 is a light viscosity motor oil formulated to withstand exotic fuels such as alcohol, methanol and nitrous oxide (NO<sub>2</sub>). Excellent for drag racing.
- **XPR 5W-30**  
XPR 5W-30 works well in a variety of applications from oval track late models to bracket racing. It is extremely versatile and produces excellent horsepower while preventing wear.
- **XPR 10W-40**  
XPR 10W-40 is designed for marine, oval track and endurance car racing. Capable of withstanding long intervals of extreme heat, it works especially well with alcohol and methanol. It is extremely popular in sprint cars, late models and World of Outlaws racing.
- **XPR 20W-50**  
XPR 20W-50 is formulated for running extended periods under extreme pressure and heat. It is used in oval track, marine and drag racing and is very popular in sprint cars, late models, truck pullers and bracket racing.



# RACING OILS

**XPR 3.1 0W-5, XPR 0W-10, 5W-20, 5W-30,  
10W-40 AND 20W-50**

## **PERFORMANCE ADVANTAGES**

- Greater wear protection on startup
- Clean, efficient equipment
- Extends equipment life
- Compatible with conventional mineral and synthetic oils
- Non-foaming
- Outstanding rust /corrosion protection
- High temperature service capability



# Royal Purple, Inc.

## Material Safety Data Sheet

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- I. **Product Name: Royal Purple® Racing Oil**  
**Chemical Family:** Synthetic based lubricating oil  
**Use:** Lubricant and corrosion inhibitor
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- II. **Components:**
- Base Oil (synthetic) — 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.
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- III. **Main Hazards / Health Effects:**  
**Eyes:** May cause irritation.  
**Inhalation:** Oil mist may line breathing passages with oil making breathing difficult.  
**Ingestion:** May cause diarrhea.  
**Skin:** May irritate the skin after prolonged periods of contact.
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- IV. **First Aid:**  
**Eyes:** Flush with water until all residual material is gone. If irritation persists, seek medical help.  
**Inhalation:** Clear air passage. If respiratory difficulty continues, seek medical help.  
**Ingestion:** Wash out mouth immediately. Do not induce vomiting. Consult physician.  
**Skin:** Wash thoroughly with hand cleanser, followed by soap and water. Contaminated clothing should be dry cleaned before reuse.
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- V. **Extinguishing Media:**  
**Suitable:** Foam, dry powder, Halon®, carbon dioxide, sand, earth and water mist.  
**Unsuitable:** Water jet.  
**Protective Equipment for Fire Fighting:** Self-contained breathing apparatus.
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- VI. **Accidental Release Measures:**  
**Personal Precautions:** Wear gloves and protective overalls.  
**Environmental Precautions:** Do not allow it to enter drains.  
**Spillage:** Contain spill and keep from entering waterways. Absorb on porous material. Large quantities can be pumped.
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- VII. **Handling and Storage:**  
**Handling:** No special handling precautions necessary.  
**Storage:** Do not store at elevated temperatures.
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- VIII. **Exposure Control / Personal Protection:**  
**Respiratory Protection:** Hydrocarbon absorbing respirator if misting.  
**Hand Protection:** Oil-proof gloves for hypersensitive persons.  
**Eye Protection:** Glasses, if applied to parts in motion.  
**Body Protection:** Overalls.
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- IX. **Physical and Chemical Properties:**
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| Physical State: Liquid                           | Evaporation Rate (Butyl Acetate = 1): Negligible |
| Color: Purple                                    | Vapor Pressure (kPa): <0.1                       |
| Odor: Lube Oil                                   | Percent Volatiles: None                          |
| pH: Neutral                                      | Density (g/cm <sup>3</sup> ): >0.84              |
| Boiling Range / Point °F (°C): 650-800 (343-427) | Flammability: Not flammable at ambient temp.     |
| Pour Point °F (°C): <40 (<4.4)                   | OAR Value: UN                                    |
| Flash Point (COC) °F (°C): >305 (>152)           | Oxidizing Properties: None                       |
| Autoignition Temperature °F (°C): >600 (>315)    | Water Solubility: Emulsifiable                   |
|  | Vapor Density: Greater than air                  |
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- X. Stability and Reactivity:**  
**Stability:** Chemically stable under normal conditions. No photoreactive agents.  
**Conditions to Avoid:** Powerful sources of ignition and extreme temperatures.  
**Materials to Avoid:** Strong inorganic and organic acids, oxidizing agents.  
**Hazardous Decomposition Products:** Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon, sulfur and nitrogen. Residue mainly comprised of soot and mineral oxides.
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- XI. Toxicological Information:**  
**Acute Toxicity:** Not known  
**Irritancy-Skin:** Very mild  
**Skin Sensitization:** Not known  
**Subacute / Sub-chronic Toxicity:** Not known  
**Genotoxicity:** None known  
**Chronic Toxicity:** None known
- California Prop 65:** N/A  
**Carcinogen:** NTP: No  
**IARC:** No  
**OSHA:** No  
**EC Classification (67 / 548 / EEC):** No  
**LD-50:** >2000 mg/kg - extrapolated from component data  
**LC-50:** Not applicable
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- XII. Ecological Information: Possible Effects:** When released into the environment, adsorption to sediment and soil will be the predominant behavior.  
**Behavior:** Relatively well behaved. Bioaccumulation potential nil.  
**Environmental Fate:** 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.
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- XIII. Waste and Container Disposal:**  
**Waste Disposal:** 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.  
**Container Disposal:** See waste disposal section listed above.
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- XIV. Transport Information:**  
**DOT:** Nonhazardous  
**UN No.:** N/A
- Air Transport (ICAO, IATA):** Bulk Nonhazardous  
**Sea Transport (IMO, IMDG):** Bulk Nonhazardous  
**Road and Rail Transport (ADR / RID):** Bulk Nonhazardous
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- XV. Regulatory Information:**  
**Labeling Information:** None needed  
**EC Annex 1 Class.:** N/A  
**R Phrases:** N/A  
**SARA 311 / 312:** None  
**S Phrases:** S-3 keep cool, S-16 keep away from ignition sources  
**Ozone Depleting Chemicals:** N/A
- CERCLA:** Nonhazardous  
**TSCA:** All components are listed  
**WHMIS (Canada):** Not regulated  
**Canadian DSL:** All components are listed  
**40 CFR Part 372 (SARA Section 313):** N/A  
**RCRA Hazard Class:** Nonhazardous  
**TSCA 12B Components:** None