



# Royal Purple, Inc.

## Material Safety Data Sheet

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| I. | <b>Product Name: Poly-Guard® FDA</b><br><b>Chemical Family:</b> Synthetic based lubricating oil<br><b>Use:</b> Lubricant and corrosion inhibitor<br><b>Manufacturer:</b> Royal Purple, Inc.<br><b>Address:</b> 1 Royal Purple Lane, Porter, Texas 77365 USA<br><b>Phone:</b> 281-354-8600 <b>Emergency Phone:</b> 281-354-8600 <b>Fax:</b> 281-354-7600<br><b>24 Hour Emergency Numbers USA:</b> 800-424-9300 <b>International:</b> 703-527-3887 (collect calls accepted) | Date Issued/Revised: February 3, 2014 |
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| II. | <b>Components:</b> <ul style="list-style-type: none"><li>• Base Oil (synthetic) — Synthetic additives with iso-paraffinic diluents.</li><li>• 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.</li><li>• All components of this product are listed on the U.S. TSCA inventory.</li><li>• This product contains no hazardous substances within the definition of OSHA Regulation 29 CFR 1910.1200.</li><li>• 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.</li></ul> |
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| III. | <b>Main Hazards / Health Effects:</b><br><b>Eyes:</b> May cause irritation.<br><b>Inhalation:</b> Oil mist may line breathing passages with oil making breathing difficult.<br><b>Ingestion:</b> May cause diarrhea.<br><b>Skin:</b> May irritate the skin after prolonged periods of contact. |
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| IV. | <b>First Aid:</b><br><b>Eyes:</b> Flush with water until all residual material is gone. If irritation persists, seek medical help.<br><b>Inhalation:</b> Clear air passage. If respiratory difficulty continues, seek medical help.<br><b>Ingestion:</b> Wash out mouth immediately. Do not induce vomiting. Consult physician.<br><b>Skin:</b> Wash thoroughly with hand cleanser, followed by soap and water. Contaminated clothing should be dry cleaned before reuse. |
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| V. | <b>Extinguishing Media:</b><br><b>Suitable:</b> Foam, dry powder, Halon®, carbon dioxide, sand, earth and water mist.<br><b>Unsuitable:</b> Water jet.<br><b>Protective Equipment for Fire Fighting:</b> Self-contained breathing apparatus. |
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| VI. | <b>Accidental Release Measures:</b><br><b>Personal Precautions:</b> Wear gloves and protective overalls.<br><b>Environmental Precautions:</b> Do not allow it to enter drains.<br><b>Spillage:</b> Contain spill and keep from entering waterways. Absorb on porous material. Large quantities can be pumped. |
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| VII. | <b>Handling and Storage:</b><br><b>Handling:</b> No special handling precautions necessary.<br><b>Storage:</b> Do not store at elevated temperatures. |
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| VIII. | <b>Exposure Control / Personal Protection:</b><br><b>Respiratory Protection:</b> Hydrocarbon absorbing respirator if misting.<br><b>Hand Protection:</b> Oil-proof gloves for hypersensitive persons.<br><b>Eye Protection:</b> Glasses, if applied to parts in motion.<br><b>Body Protection:</b> Overalls. |
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| IX. | <b>Physical and Chemical Properties:</b><br>Physical State: Liquid<br>Color: Clear<br>Odor: Mid Lube Oil<br>pH: Neutral<br>Boiling Range / Point °F (°C): >400 (>204)<br>Pour Point °F (°C): <-38 (<-39)<br>Flash Point (COC) °F (°C): >410 (>210)<br>Autoignition Temperature °F (°C): >600 (>315) | Evaporation Rate (Butyl Acetate = 1): Negligible<br>Vapor Pressure (kPa): <0.1<br>Percent Volatiles: None<br>Density (g/cm <sup>3</sup> ): >0.80 and <0.89<br>Flammability: Not flammable at ambient temp.<br>OAR Value: UN<br>Oxidizing Properties: None<br>Water Solubility: Insoluble<br>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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| <b>XI. Toxicological Information:</b>      |  |
| Acute Toxicity: Not known                  | California Prop 65: N/A                              |
| Irritancy-Skin: Very mild                  | Carcinogen: NTP: No                                  |
| Skin Sensitization: Not known              | IARC: No   |
| Subacute / Sub-chronic Toxicity: Not known | OSHA: No   |
| Genotoxicity: None known                   | EC Classification (67 / 548 / EEC): No               |
| Chronic Toxicity: None known               | LD-50: >2000mg/kg - extrapolated from component data |
|  | LC-50: Not applicable                                |

**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.

**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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| <b>XIV. Transport Information:</b> |  |
| DOT: Nonhazardous                  | Air Transport (ICAO, IATA): Bulk Nonhazardous          |
| UN No.: N/A                        | Sea Transport (IMO, IMDG): Bulk Nonhazardous           |
| DOT: Nonhazardous                  | Road and Rail Transport (ADR / RID): Bulk Nonhazardous |

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| <b>XV. Regulatory Information:</b>                             |   |
| Labeling Information: None needed                              | CERCLA: Nonhazardous                    |
| EC Annex 1 Class.: N/A   | TSCA: All components are listed         |
| R Phrases: N/A   | WHMIS (Canada): Not regulated           |
| SARA 311 / 312: None   | Canadian DSL: All components are listed |
| S Phrases: S-3 keep cool, S-16 keep away from ignition sources | 40 CFR Part 372 (SARA Section 313): N/A |
| Ozone Depleting Chemicals: N/A                                 | RCRA Hazard Class: Nonhazardous         |
|  | TSCA 12B Components: None               |

**XVI. Other Information:**

*W. J. Carter*

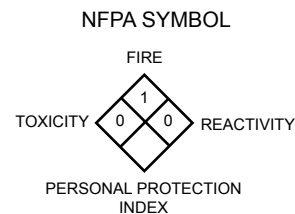
Signature: \_\_\_\_\_

Prepared By: W. J. Carter, Ph.D.

Date Issued/Revised: February 3, 2014

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| LEGEND |   |
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| I.     | Identification of the Substance / Preparation and Company |
| II.    | Composition Information on Ingredients                    |
| III.   | Hazards Identification                                    |
| IV.    | First Aid Measures  |
| V.     | Fire Fighting Measures                                    |
| VI.    | Accidental Release Measures                               |
| VII.   | Handling and Storage                                      |
| VIII.  | Exposure Control / Personal Protection                    |
| IX.    | Physical and Chemical Properties                          |
| X.     | Stability and Reactivity                                  |
| XI.    | Toxicological Information                                 |
| XII.   | Ecological Information                                    |
| XIII.  | Waste Disposal  |
| XIV.   | Transport Information                                     |
| XV.    | Regulatory Information                                    |
| XVI.   | Other Information   |



**HMIS SYMBOL**

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|--------------|---|
| HEALTH       | 0 |
| FLAMMABILITY | 1 |
| REACTIVITY   | 0 |
| PPI          | B |