



# Royal Purple, Inc.

## Material Safety Data Sheet

Date Issued/Revised: February 3, 2014

**I. Product Name: Open Gear Guard XP**

Chemical Family: Synthetic based lubricating grease

Use: Equipment lubrication

Manufacturer: Royal Purple, Inc.

Address: 1 Royal Purple Lane, Porter, Texas 77365 USA

Phone: 281-354-8600 Emergency Phone: 281-354-8600 Fax: 281-354-7600

24 Hour Emergency Numbers USA: 800-424-9300 International: 703-527-3887 (collect calls accepted)

**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 health 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 meet the criteria of a hazardous waste if discarded in its purchased form since it is ignitable.

**III. Main Hazards / Health Effects:**

Eyes: May cause irritation.

Inhalation: Viscous nature may block breathing passages if inhaled.

Ingestion: May cause diarrhea.

Skin: May irritate the skin after prolonged periods of contact.

**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: Consult physician.

Skin: Wash thoroughly with hand cleanser, followed by soap and water. Contaminated clothing should be dry cleaned before reuse.

**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.

**VI. Accidental Release Measures:**

Personal Precautions: Wear gloves and protective overalls.

Environmental Precautions: Avoid disposal into drains.

Spillage: Scrape up bulk, wipe up remainder with cloth and pick up remaining residue with diatomaceous earth.

**VII. Handling and Storage:**

Handling: No special handling precautions necessary.

Storage: Do not store at elevated temperatures.

**VIII. Exposure Control / Personal Protection:**

Respiratory Protection: None needed.

Hand Protection: Protective gloves for hypersensitive persons.

Eye Protection: Glasses, if applied to parts in motion.

Body Protection: Overalls.

**IX. Physical and Chemical Properties:**

Physical State: Liquid

Color: Amber

Odor: Mineral spirits

pH: Neutral

Boiling Range / Point °F (°C): 370-405 (158-207)

Pour Point °F (°C): -54 (-48)

Flash Point (COC) °F (°C): 205 (96)

Autoignition Temperature °F (°C): >530 (>276)

Explosive Properties LEL: 0.6 percent UEL: 4.5 percent

Vapor Pressure (kPa): 0.5 @ 70°F

Percent Volatiles: 75

Density (g/cm<sup>3</sup>): 0.8

Flammability: Combustible

OAR Value: UN

Oxidizing Properties: None

Water Solubility: Insoluble

Vapor Density: 5.9

Product Name: **Open Gear Guard XP**

- 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.  
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: None  
Carcinogen: NTP: No  
IARC: No  
OSHA: No  
EC Classification (67 / 548 / EEC): No  
LD-50: >4000mg/kg - extrapolated from component data  
LC-50: N/A
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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: Highly unlikely to cause contamination. Nontoxic to marine or land organisms.
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- XIII. Waste and Container Disposal:**  
Waste Disposal: Contact a waste disposal company or local authority for advice.  
Container Disposal: Pails without liner see "Waste Disposal" above. Pails with a plastic liner can only be disposed via standard waste disposal services, recycled or reused.  
Liner: See "Waste Disposal" above.
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- XIV. Transport Information:**  
DOT: Nonhazardous  
UN No.: N/A  
DOT: Nonhazardous
- Air Transport (ICAO, IATA): N/A  
Sea Transport (IMO, IMDG): N/A  
Road and Rail Transport (ADR / RID): N/A
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- XV. Regulatory Information:**  
Labeling Information: None needed  
EC Annex 1 Class.: N/A  
R Phrases: R22 harmful if swallowed  
(could block passages)  
SARA 311 / 312: None  
S Phrases: None applicable, as known.  
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: Ignitable  
TSCA 12B Components: None
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- XVI. Other Information:**

*W. J. Carter*

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

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

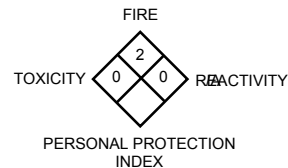
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LEGEND

- 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

NFPA SYMBOL



HMIS SYMBOL

HEALTH	0
FLAMMABILITY	2
REACTIVITY	0
PPI	N/A