



Royal Purple, Inc.

Material Safety Data Sheet

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- I. **Product Name: Thermax™ Semi-Fluid Grease** Date Issued/Revised: February 3, 2014
Chemical Family: Synthetic esters and PAOs
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)
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- II. **Components:**
- Base Oil (synthetic) — Synthetic additives with iso-paraffinic diluents and aluminum complex thickener.
 - 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: Viscous nature may block breathing passages if inhaled.
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: 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: Avoid disposal into drains.
Spillage: Scrape up bulk, wipe up remainder with cloth and pick up remaining residue with diatomaceous earth.
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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: None needed.
Hand Protection: Protective 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: Soft Gel | Evaporation Rate (Butyl Acetate): <0.01 |
| Color: Normally yellow or dyed purple | Partition Coefficient (Log Pow): N/A |
| Odor: very mild | Vapor Pressure (kPa): <0.01 |
| pH: Neutral | Percent Volatiles: None |
| Boiling Range / Point °F (°C): <600 (<316) | Density (g/cm³): 0.9 |
| Drop Point °F (C): >500 (>260) | Flammability: Not flammable at ambient temp. |
| Flash Point (COC) °F (°C): >410 (>210) | OAR Value: N/A (no volatiles) |
| Autoignition Temperature °F (°C): >500 (>260) | Oxidizing Properties: None |
| Explosive Properties LEL: 0.9 percent UEL: 7 percent | Water Solubility: Insoluble |
| | 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.

Residue mainly comprised of soot and mineral oxides.

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

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.

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.

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

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: Nonhazardous

TSCA 12B Components: None

XVI. Other Information:

W. J. Carter

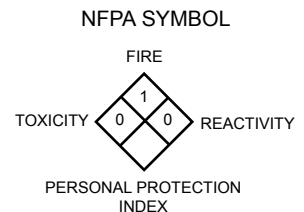
Signature: _____

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

Date Issued/Revised: February 3, 2014

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LEGEND	
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

HEALTH	0
FLAMMABILITY	1
REACTIVITY	0
PPI	NA