



Supersonic Lubricant & Cleaner
Material Safety Data Sheet (MSDS)
Date: 10/1/07

Distributed by: **OSHA Review, Inc**
PO Box 254805
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Section I: Product Identity/Manufacturer's Name

Product Identity

- Supersonic Lubricant & Cleaner
- Synthetic-Based Lubricating Oil
- Lubricant, Cleaner, and Corrosion Inhibitor
- Manufactured as: Poly-Guard® FDA

Manufacturer

Royal Purple, Ltd.
1 Royal Purple Lane
Porter, TX 77365
Emergency Telephone: 916-362-7488

Section II: Ingredient Information

Component: 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 of chemical substances.
- OSHA PEL (oil mist) – 5 mg/m³ OSHA STEL (oil mist) – 10 mg/m³
- Royal Purple certifies that this product has been evaluated for RCRA characteristics. This product does not meet the criteria of a hazardous waste if discarded in its purchased form.
- Supersonic meets FDA's Code of Federal Regulations Title 21 Section 178.3570 for "lubricants intended for incidental food contact" and meets NSF guidelines for H-1 use as a food-grade lubricant.

Section III: Physical/Chemical Properties

- **Physical State:** Liquid
- **Color:** Clear
- **Odor:** Lube Oil
- **pH:** Neutral (~7)
- **Boiling Point:** >400°F (>204°C)
- **Pour Point:** < -15°F (<-26°C)
- **Melting Point:** Not applicable, liquid product.
- **Vapor Pressure (kPa):** <0.01
- **Vapor Density:** Greater than air
- **Evaporation Rate (Butyl Acetate = 1):** Negligible
- **Percent Volatiles:** None
- **Solubility in Water:** Insoluble
- **Density (g/cm):** >0.80 and <0.89
- **Oxidizing Properties:** None

Section IV: Fire/Explosion Information

- **Flash Point (COC):** >330°F (>165°C)
- **Autoignition Temperature:** >600°F (>315°C)
- **Flammability:** Not flammable at ambient temp.
- **Extinguishing Media:** Foam, dry powder, Halon®, carbon dioxide, sand, earth, and water mist. Do not use water stream.
- **Special Fire Fighting Procedures:** Avoid smoke inhalation. Wear self-contained breathing apparatus.

Section V: Reactivity Information

- **Stability:** Stable under normal conditions; No photoreactive agents.
- **Conditions to Avoid:** Powerful sources of ignition and extreme temperatures.
- **Incompatibility (Materials to Avoid):** Inorganic and organic acids; strong oxidizing materials.
- **Hazardous Decomposition of Byproducts:** Burning causes smoke, airborne soot, hydrocarbons and oxides of carbon, sulfur and nitrogen. Residue mainly comprised of soot and mineral oxides.

Section VI: Health Hazard and First Aid Information

Health Hazards – Acute and Chronic

- **Skin Irritation:** Very mild
- **Skin Sensitization:** Unknown
- **LC50:** >2000 mg/L (extrapolated from ingredient data)
- **Carcinogenicity:** OSHA, NTP, IARC, California

Proposition 65 do not list the product as a carcinogen.

Effects of Overexposure

- **Skin:** Skin irritant; Prolonged or repeated contact may cause dermatitis.
- **Eyes:** May cause irritation.
- **Inhalation:** Aspiration hazard. Oil mist may line breathing passages making breathing difficult.
- **Ingestion:** May cause diarrhea.

First Aid Procedures

- **Skin:** Remove contaminated clothing. Flush with soap and water.
- **Eyes:** Flush with water, holding eyelids open, until all residual material is gone. If irritation persists, seek medical attention.
- **Inhalation:** Harmful or fatal if liquid is aspirated into lungs. If inhaled, seek medical help immediately.
- **Ingestion:** Wash out mouth immediately. Do not induce vomiting. Seek medical attention.

Section VII: Control Measures (Personal Protective Equipment, Ventilation)

- **Respiratory Protection:** Not applicable, unless mists, smoke, or vapors are produced. If oil mist is generated, wear hydrocarbon-absorbing respirator.
- **Ventilation:** No special precautions unless mists, smoke, or vapors are produced.
- **Protective Gloves:** Oil-proof gloves for hypersensitive persons.
- **Eye Protection:** ANSI protective eyewear or face shield recommended, if generating oil droplets (i.e. if applied to moving parts).
- **Other Protective Clothing or Equipment:** Eyewash station should be provided nearby.

Section VIII: Precautions for Safe Handling

General Precautions

- Keep out of reach of children.
- Store upright, indoors in a clean, organized area. Do not store at elevated temperatures.
- Make certain lids are properly closed and sealed.
- Don personal protective equipment.

Waste Disposal Method

- Dispose of according to all local, state, federal laws and regulations.
- Consider recycling.
- It is the user's responsibility, at the time of disposal,

to determine whether the waste product meets RCRA criteria for hazardous waste.

In Case Material is Released or Spilled

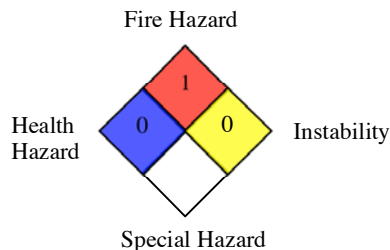
- Caution when spilled, floors may become slippery.
- In case of spill, use protective equipment for recovery and/or disposal.
- Avoid discharge to sewer or open waterways. Cover with absorption material such as sand, vermiculite, kitty litter and contain for disposal.
- After removing absorbent, wash surfaces with soap and water to reduce slipping hazard.

Section IX: HMIS/NFPA Information

Hazardous Materials Identification System (HMIS)

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0
PPE	B

National Fire Protection Association (NFPA)



Section X: Other Remarks

- The product is intended for use as a lubricant and cleaner of dental handpieces.
- The product label and enclosed instructions sheet should be consulted for directions for use.
- This company cannot anticipate all conditions of handling and use of this product, and therefore accepts no responsibility for the safety of our product either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using this health and safety information as a guide.