I. **Product Name:** Dresser Roots ISO-VG 320  
**Chemical Family:** Synthetic based lubricating oil  
**Use:** Lubricant and corrosion inhibitor  
**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

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.

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.

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.

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:** Do not allow it to enter drains.  
**Spillage:** Contain spill and keep from entering waterways. Absorb on porous material. Large quantities can be pumped.

VII. **Handling and Storage:**  
**Handling:** No special handling precautions necessary.  
**Storage:** Do not store at elevated temperatures.

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.

IX. **Physical and Chemical Properties:**  
**Physical State:** Liquid  
**Color:** Light Amber  
**Odor:** Lube Oil  
**pH:** Neutral  
**Boiling Range / Point °F (°C):** >700 (>371)  
**Pour Point °F (°C):** <-60 (<-51)  
**Flash Point (COC) °F (°C):** >450 (>232)  
**Autoignition Temperature °F (°C):** >600 (>315)  
**Evaporation Rate (Butyl Acetate = 1):** Negligible  
**Vapor Pressure (kPa):** <0.1  
**Percent Volatiles:** None  
**Density (g/cm³):** >0.83  
**Flammability:** Not flammable at ambient temp.  
**OAR Value:** UN  
**Oxidizing Properties:** None  
**Water Solubility:** Insoluble  
**Vapor Density:** Greater than air
**Product Name:** Dresser Roots ISO-VG-320

**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.

**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

**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.

**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.

**Transport Information:**
- **Air Transport (ICAO, IATA):** Bulk Nonhazardous
- **Sea Transport (IMO, IMDG):** Bulk Nonhazardous
- **Road and Rail Transport (ADR / RID):** Bulk Nonhazardous

**Regulatory Information:**
- **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
- **Ozone Depleting Chemicals:** N/A

**Other Information:**

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**NFPA SYMBOL**

- **FIRE**
- **TOXICITY**
- **REACTIVITY**

**HMIS SYMBOL**

- **HEALTH**
- **FLAMMABILITY**
- **REACTIVITY**
- **PPI**