



Bike Medicine

Industrial Strength Products For Cycling

M.S.D.S.

MATERIALS SAFETY DATA SHEET

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- I. Product Name:** Purple Extreme
Chemical Family: Synthetic based lubricating oil
Use: Lubricant and corrosion inhibitor
Manufacturer: Royal Purple, Ltd.
Address: 1 Royal Purple Lane, Porter, Texas 77365 USA
Phone: 281-354-8600 **Emergency Phone:** 281-354-8600 **Fax:** 281-354-7600
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- 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. OSHA 29CFR1910.1200 Combustible
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- 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.
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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: 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.
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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: Do not allow it to enter drains.
Spillage: Contain spill and keep from entering waterways. Absorb on porous material. Large quantities can be pumped.
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- VII. Handling:and Storage:** Isolate from oxidizers, heat, & open flame.
Storage: Do not store above 49°C/120°F.
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- 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.
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- IX. Physical and Chemical Properties:**
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|---|---|
| Physical State: Liquid | Evaporation Rate (Butyl Acetate): 1):0.1 |
| Color: Purple | Vapor Pressure (kPa): 0.5 mm Hg @ 70 °F |
| Odor: Mineral Spirits | Percent Volatiles: 75 |
| pH: Neutral | Density (g/cm³): 0.8 |
| Boiling Range / Point F (C): 370-405 (188-207) | Flammability: Not flammable at ambient temp. |
| Pour Point F (C): <0 (<17.8) | OAR Value: UN |
| Flash Point (COC) F (C): 160 (66) | Oxidizing Properties: None |
| Autoignition Temperature F (C): >530 (>276) | Water Soluability: 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, sulfur and nitrogen. 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: N/A
Carcinogen: NTP: No
IARC: No
OSHA: No
EC Classification (67 / 548 / EEC): No
LC-50: >200mg/l - extrapolated from component data
LD-50: Not applicable

XII. Ecological Information:
Possible Effects: In extreme cases, may germinate oil fractions that could act as a marine pollutant. Occurrences of this nature are highly unlikely.
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.

XIV. Transport Information:
DOT: Nonhazardous
UN No.: Nonhazardous
DOT: Combustible Liquid. Not DOT regulated on trucks in containers of < 119 gallons

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

XV. Regulatory Information:
Labeling Information: Warning Combustible
EC Annex 1 Class.: N/A
R Phrases: R-22 Harmful if swallowed
SARA 311 / 312: Fire
S Phrases: S-3 keep cool, S-16 keep away from ignition sources
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

XVI. Other Information:
Purple Extreme component CAS numbers:
Petroleum Distillates 8052-41-3
ISO Paraffin 64742-48-3
Synthetic Ester 685-47-9
Corrosion Inhibitor 57855-77-3

Signature:



Prepared By: A.J. Gustavsen, Ph.D.

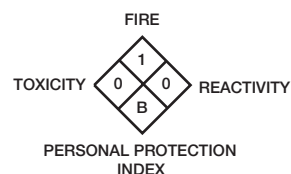
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LEGEND

- 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
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NFPA SYMBOL



HMIS SYMBOL

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