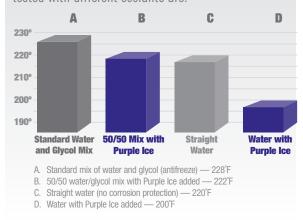


PURPLE ICE®

Purple Ice® is a high performance radiator conditioner. It's advanced 2-in-1 corrosion inhibitor and wetting agent provides year-round defense against corrosion. Purple Ice also reduces the surface tension of the radiator coolant to help reduce engine temperatures.

REDUCES COOLANT TEMPERATURES

Extensive testing confirms Purple Ice reduces coolant temperatures better than comparable products while providing extra corrosion protection. For example, the average operating temperature of a 350 c.i.d. V8 engine (equipped with 160° thermostat) when dynotested with different coolants are:



PERFORMANCE ADVANTAGES

- Reduces surface tension of a coolant allowing more heat to transfer outside the radiator resulting in more horsepower
- Reduces hot spots in the engine and cylinder heads, reducing the possibility of engine failure
- Helps prevent overheating, keeps the system clean and extends the life of the water pump
- It's safe to use with water-only or antifreeze/water blends



RECOMMENDED TREAT RATE*

- For use with antifreeze: 1 oz. / quart of cooling system capacity
- For straight water applications:
 1.5 oz. / quart of cooling system capacity
- *Minimum of 20% antifreeze is recommended in streetdriven vehicles.



Royal Purple, Inc.

Material Safety Data Sheet

I. Product Name: Purple Ice®

Chemical Family: Cooling Water Treatment

Use: Engine coolant

II. Components:

- The precise composition of this product are 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: Mist may irritate breathing passages making breathing difficult.

Ingestion: Poisonous Skin: May cause irritation

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 washed before reuse.

before feuse.

V. Extinguishing Media:

Suitable: Foam, dry powder, Halon®, carbon dioxide, sand, earth and water.

Unsuitable: Other combustables.

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: Respirator if misting.

Hand Protection: Protective gloves.

Eye Protection: Glasses. Body Protection: Overalls.

|X Physical and Chemical Properties:

Physical State: Liquid

Color: Purple
Odor: none
pH:11

Boiling Range / Point °F (°C): >220 (>104)

Pour Point °F (°C): -20 (-29) Flash Point (COC) °F (°C): NA) Autoignition Temperature °F (°C): NE Evaporation Rate (Butyl Acetate): Negligible

Vapor Pressure (kPa): NE Percent Volatiles: <12 % Density (g/cm³): 1.04

Flammability: Not flammable.

OAR Value: UN Water Solubility: yes Vapor Density: NA

X. Stability and Reactivity:

Stability: Contains an oxidizing agent. Conditions to Avoid: Extreme temperatures.

Materials to Avoid: Strong inorganic and organic acids, oxidizing agents. Hazardous Decomposition Products: Gaseous nitrogen oxides

XI. Toxicological Information:

Acute Toxicity: Not known
Irritancy-Skin: Moderate
Skin Sensitization: Moderate

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

LD-50: not known LC-50: Not applicable

XII. Ecological Information:

Possible Effects: not known

Behavior: Relatively well behaved. Bioaccumulation potential nil.

Environmental Fate: not known

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.: N/A

UN No.: N/A DOT: Nonhazardous Air Transport (ICAO, IATA): Bulk Nonhazardous
Sea Transport (IMO, IMDG): Bulk Nonhazardous
Pend and Brill Transport (ADD, ADD): Bulk Nonhazardous

Road and Rail Transport (ADR / RID): Bulk Nonhazardous

XV Regulatory Information:

Labeling Information: None needed

EC Annex 1 Class.: N/A

R Phrases: N/A SARA 311 / 312: None S Phrases: S-3 keep cool

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

ROYAL PURPLE MOTOR OILS FLUIDS & LUBRICANTS