

Material Safety Data Sheet

Date of Preparation: 12/5/01

MSDS No. 229

Section 1 – Chemical Product and Company Identification

Product Name: QUEST R134a COOL DOWN
Part Number(s): 229
CAS Number: NOT APPLICABLE TO MIXTURES
Product Class: Automotive product

Manufacturer: E F Products, Inc. 1860 Crown Drive, Suite 1400, Dallas, TX 75234
Information Phone No.: 1-888-396-0422 **Emergency Phone No.:** 1-888-396-0422

Section 2 – Composition/ Information on Ingredients

Ingredient Name	CAS Number	OSHA TWA	ACGIH TLV
Polyol Ester	Proprietary	-	-
Methanol	67-56-1	-	-
Antioxidant			

Section 3 – Physical and Chemical Properties

Physical State: Liquid
Appearance/Odor: Clear/Ester odor
% Volatile: N/A
Evaporation Rate: N/A

Boiling Range: Not determined
Vapor Density (Air=1): Heavier than air
Specific Gravity (@ C20 °C): 0.964
Vapor Pressure: 0.01 mm/Hg @ 20C

Section 4 – Fire Fighting Measures

Flash Point: 240C
Flash Point Method: Open Cup
LEL: N/A
Extinguishing Media: Water/ Dry chemicals/CO2 Foam
Unusual Fire or Explosion Hazards: N/A
Special Fire-Fighting Procedures: N/A

Section 5 – Stability and Reactivity

Stability: Stable
Polymerization: Will not occur
Incompatibilities & Conditions to Avoid: Strong Oxidizing Agents
Hazardous Decomposition Products: Highly unlikely under intended handling and use.

Section 6 – Health Hazard Information

Primary Entry Routes: Skin, dermal, inhalation and ingestion
Target Organs: Eyes, skin, respiratory system
Effects of Overexposure: Can cause eye burns. Prolonged and repeated contact can cause skin irritation. Possibly dermatitis.

Carcinogenicity: No components of the product are a carcinogen.
Chronic Effects: N/A

Section 6 – Health Hazard Information

Emergency and First Aid Procedures

Inhalation: Remove to fresh air. If a cough or other respiratory symptoms develop, consult medical personnel.

Eye Contact: Irrigate with eyewash solution or clean water, holding eyelids apart, for at least 10 minutes. If redness, itching or a burning sensation develops, have eyes examined and treated by medical personnel.

Skin Contact: Remove contaminated clothing. Wash material off of the skin with plenty of soap and water. If redness, itching, or a burning sensation develops, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.

Ingestion: Do NOT induce vomiting. Wash out mouth with water and give 1 or 2 glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel. (Never give anything by mouth to an unconscious person).

Section 7 – Spill, Leak, and Disposal Procedures

Wear skin protection during clean-up. Contain and absorb large spillages onto an inert, non-flammable absorbent carrier (such as earth or sand). Do not allow to enter drains, sewers or waterways. Shovel into a chemical waste container for disposal or recovery.

Section 8 – Exposure Controls / Personal Protection

Ventilation: No OSHA PELs or ACGIH TLVs have been assigned. Minimize exposure in accordance with good industrial hygiene practice.

Protective Clothing/Equipment: Wear ISGA standard goggles or face shield. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

Safety Stations: Provide eyewash station and safety shower in work area. Use ventilation adequate to maintain safe levels.

DOT Transportation Data

<u>PART NUMBER(S)</u>	<u>SHIPPING NAME</u>	<u>HAZARD CLASS IDNO.</u>	<u>PACKING GROUP</u>
229	Consumer Commodity	ORM-D N/A	N/A

Disclaimer: All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publications of use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.