

# Material Safety Data Sheet

Date of Preparation: 12/5/02

MSDS No. 313

## Section 1 – Chemical Product and Company Identification

**Product Name:** QUEST R134a COOL DOWN –3OZ

**Part Number(s):** 313

**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
1,1,1,2-Tetrafluoroethane	811-97-2	-	-
Polyol Ester	Proprietary	-	-
Methanol	67-56-1	-	-
Molyvan	71342-89-7	-	-
Antioxidant	-	-	-
Proprietary Ingredients			

## Section 3 – Physical and Chemical Properties

**Physical State:** Liquid

**Appearance/Odor:** Clear/Ester odor

**% Volatile:** N/A

**Evaporation Rate:** N/A

**Boiling Range:** -40F

**Vapor Density (Air=1):** Less than 5.0

**Specific Gravity (@ C20 °C):** 0.99-1.01

**Vapor Pressure:** 79 psig/Hg @ 25C

## 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>
313	Consumer Commodity	ORM-D N/A	N/A

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