

# Material Safety Data Sheet

Date of Preparation: 7/7/00

MSDS No. 402

## Section 1 – Chemical Product and Company Identification

Product Name: QUEST R12 TO R134a CONVERSION KIT  
Part Number(s): 402  
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
Polyoxyalkylene Glycol	Proprietary	-	-
Cyclohexanone	108-94-1	25ppm	25ppm

## Section 3 – Physical and Chemical Properties

Physical State: Liquid Boiling Range: Not determined  
Appearance/Odor: Amber/Hydrocarbon ethereal odor Vapor Density (Air=1) Heavier than air  
% Volatile: N/A Specific Gravity (@C20 °C): 0.997  
Evaporation Rate: N/A Vapor Pressure: 0.01 mm/Hg @ 20C

## Section 4 – Fire Fighting Measures

Flash Point: 260C  
Flash Point Method: Open Cup  
LEL: N/A  
Extinguishing Media: Water/ Dry chemicals  
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

### 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:** Ventilate to keep vapors of this material below 20ppm. If over TLV, in accordance with 29 CFR 1910.134, use NIOSH approved positive-pressure self-contained breathing apparatus. Consult Safety Equipment Supplier. Use explosion-proof equipment.

**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>
402	Consumer Commodity	ORM-D	N/A

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