

Material Safety Data Sheet

Date of Preparation: 11/23/04

MSDS No. 481UV

Section 1 – Chemical Product and Company Identification

Product Name: QUEST R134a ISO100 ESTER OIL W/UV DYE

Part Number(s): 481UV

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 Esters	Proprietary	-	-
UV Dye	Proprietary	10ppm	10ppm
Proprietary Ingredients			

Section 3 – Physical and Chemical Properties

Physical State: Liquid

Appearance/Odor: Yellow/Bland Odor

% Volatile: N/A

Evaporation Rate: N/A

Boiling Range: Not determined

Vapor Density (Air=1): Heavier than air

Specific Gravity (@ C20 °C): 0.977

Vapor Pressure: 0.1 mm/Hg @ 20C

Section 4 – Fire Fighting Measures

Flash Point: 260C

Flash Point Method: Open Cup

LEL: N/A

Extinguishing Media: Carbon Dioxide, dry chemical, or foam

Unusual Fire or Explosion Hazards: Low fire hazard. Unlikely to ignite except in high heat flux conditions.

Thermal decomposition will evolve irritant vapors.

Special Fire-Fighting Procedures: Use self-contained breathing apparatus with full face piece and protective clothing.

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: Prolonged and repeated contact can cause skin irritation. High concentrations of aerosols or mists may be slightly irritating to the upper respiratory tract.

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>
481UV	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.