

MATERIAL SAFETY DATA SHEET

Effective Date: 10-20-03

Revision Date: none

R-134a OIL CHARGE - 4OZ.

Code: EFP

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Section 1 - Product and Company Identification

PRODUCT NAME: R-134a OIL CHARGE - 4OZ. 765-2977

MANUFACTURER'S NAME:

E F Products, Inc.  
1860 Crown Drive, Suite 1400  
Dallas, TX 75234

EMERGENCY TELEPHONE NUMBER  
(888)396-0422

MISCELLANEOUS INFORMATION  
(888)396-0422

Product Name: R-134a OIL CHARGE - 4OZ.

Part Number(s): (310) 765-2977

Section 2 - Hazardous Ingredients

Ingredient Name	CAS Number	OSHA TWA	ACGIH TLV
1,1,1,2- Tetrafluoroethane	811-97-2	-	-
Polyalkylene Glycol (PAG)	N/A		

Section 3 - Hazards Indentification

Primary Entry Routes: Eyes, dermal, inhalation and ingestion

Target Organs: Eyes, skin, respiratory system

Effects of Overexposure: N/A if handled in accord with good industrial hygiene practice.

Chronic Effects: No data available.

Section 4 - First Aid Measures

Emergency and First Aid Procedures

Inhalation: Exposure to very high concentration can induce anesthetic

effect. Can act as an asphyxiant by limiting oxygen. Cardiac sensitization to circulating epinephrine-like compounds can result in fatal cardiac arrhythmias. Remove to fresh air. Give artificial respiration if not breathing. Give oxygen if breathing labored. If cardiac arrest, apply external cardiac massage. Do not administer adrenaline or similar drugs as cardiac arrhythmias may result. Call physician immediately.

Eye Contact: Liquid splashes or vapor spray may cause freeze burns. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for 15 minutes. Have eyes examined and treated by medical personnel.

Skin Contact: Liquid form of this material may cause freeze burns (frostbite-like lesions). Thaw affected areas with water, remove contaminated clothing carefully. Wash affected areas of skin thoroughly with plenty of warm water. Obtain medical attention. Prolonged contact with skin may cause red skin irritation or dermatitis. Remove oil from skin by washing

well with soap and water. Launder clothing before reuse.  
Ingestion: Extremely unlikely to occur in use. May cause slight irritation if ingested but not toxic. Induce vomiting, seek medical attention.

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Section 5 - Firefighting Measures

Flash Point: 200-260 DEG C  
Flash Point Method: N/A  
LEL: N/A  
Extinguishing Media: Water spray, dry chemical, alcohol foamer, CO2.  
Unusual Fire or Explosion Hazards: Heavy vapors can suffocate. Highly toxic decomposition products.  
Special Fire-Fighting Procedures: Self-contained breathing apparatus with full facepiece and protective clothing if involved in a fire of other materials.

Section 6 - Environmental Release Measures

See SEC 09 Special Precautions for industrial hygiene control measures. Clean up any oil spill. Prevent entry into sewers and water ways. Absorb with inert absorbent. Place used rags and absorbent in closed metal containers.

Section 7 - Handling and Storage

Keep at temperature not exceeding 113 DEG F. Keep containers dry. Keep away from direct sunlight, heat.

Section 8 - Exposure Controls/Personal Protection

Ventilation General mechanical ventilation. Oil mist inhalation should be avoided.  
Protective Clothing/Equipment: Chemical tight goggles, full faceshield in addition if splashing is possible. Nitrile gloves with cotton knit liner. Apron, arm covers or full body suit, depending on conditions.  
Safety Stations: Ventilate low-lying areas such as sumps or pits where dense vapors may collect. Use local exhaust to control exposures.

Section 9 - Physical and Chemical Properties

Physical State: Liquid Boiling Range: -40F  
Appearance/Odor: Colorless gas& liquid/Slight Odor Vapor Density (Air=1) Less than 5.0  
% Volatile: N/A Specific Gravity (@20 C): 1.0  
Evaporation Rate: N/A Vapor Pressure: Negligible/Hg @ 20C

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Section 10 - Stability and Reactivity

Stability: Stable  
Polymerization: Will not occur  
Incompatibilities & Conditions to Avoid: Strong oxidizers.  
Hazardous Decomposition Products:

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Section 11 - Toxicological Information

No information

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Section 12 - Ecological Information

No information

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Section 13 - Disposal Considerations

Dispose of with accordance to Federal, State and local regulations.

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Section 14 - Transport Information

Commodity ORM-D N/A N/A

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Section 15 - Regulatory Information

No information

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Section 16 - Other Information

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.