

Material Safety Data Sheet

Date of Preparation: 2/1/04

MSDS No. PY-7

Section 1 – Chemical Product and Company Identification

Product Name: Ester R-134 Oil ISO 100 Viscosity.
Part Number(s): PY-7
CAS Number: NOT APPLICABLE TO MIXTURES
Product Class: Automotive product

Manufacturer: Interdynamics, Inc. 80 39th Street, 8th Floor, Brooklyn, NY 11232
Information Phone No. (Interdynamics): 718-499-0608 **Emergency Phone No.(CHEMTREC):** 800-424-9300

Section 2 – Composition/ Information on Ingredients

| Ingredient Name | CAS Number | OSHA TWA | ACGIH TLV |
|--|------------|----------|-----------|
| Polyol Esters with Additive | - | - | - |
| Antioxidant | - | - | - |
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| Ingredients not precisely identified are proprietary or non-hazardous. | | | |

Section 3 – Physical and Chemical Properties

Physical State: Liquid. **Boiling Range:** Not determined.
Appearance/Odor: Pale Yellow Clear / Mild Odor. **Vapor Density (Air=1):** NA
% Volatile: N/A **Specific Gravity (@C20 °C):** 0.98
Evaporation Rate(Butyl Acetate=1): NA **Vapor Pressure: Oil:** <1

Section 4 – Fire Fighting Measures

Flash Point: 260 deg. C.
Flash Point Method: Cleveland Open Cup.
LEL: N/A
Extinguishing Media: Carbon Dioxide, Dry Chemical, or appropriate foam. If water is used, use care to avoid violent production of steam.
Unusual Fire or Explosion Hazards: Low fire hazard. Unlikely to ignite except in high heat flux situations. Thermal decomposition may evolve irritant vapors.
Special Fire-Fighting Procedures: Firefighters must wear self-contained breathing apparatus with full face-piece operated in pressure demand or positive pressure mode. Use full turnout gear.

Section 5 – Stability and Reactivity

Stability: Stable
Polymerization: Will not occur.
Incompatibilities & Conditions to Avoid: Avoid contact with strong oxidizing agents.
Hazardous Decomposition Products: Highly unlikely under intended handling and use.

Section 6 – Health Hazard Information

Primary Entry Routes: Eyes, dermal, inhalation and ingestion
Target Organs: Eyes, skin, respiratory system

Signs & Symptoms of Exposure: May cause eyes and skin and respiratory tract irritation.

Acute Effects: Skin and eye irritation.

Chronic Effects: Unknown.

Carcinogenicity: This product does not contain components that are listed as a carcinogen.

Medical Conditions Generally Aggravated by Exposure: None known.

Emergency and First Aid Procedures

Inhalation: Remove to fresh air, if respiratory symptoms develop, seek medical attention.

Eye Contact: 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 if redness, burning or itching develops.

Skin Contact: Remove contaminated clothing & wash exposed skin with plenty of soap & water.

Ingestion: Do not induce vomiting without a Physician's advice. Seek medical attention. (Never give anything by mouth to an unconscious person.)

Section 7 – Spill, Leak, and Disposal Procedures

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

See SEC 09 Special Precautions for industrial hygiene control measures. Clean up any oil spill. Prevent entry into sewers and water ways.

Place used rags and absorbent in closed metal containers.

Steps To Be Taken In Case Material Is Released or Spilled: Wear skin protection during cleanup, contain and absorb with sand or earth. Shovel into a chemical waste container for disposal or recovery.

Waste Disposal Method: Remove all product residue from container & puncture before disposal. Dispose in accordance with applicable Federal, State and local regulations.

Precautions To Be Taken In Handling and Storage: Avoid prolonged or recurring skin contact. Store in tightly closed containers. Wear protective gloves and clothing with an outer layer of Mylar coated Durafab. Wear safety goggles. Use in well ventilated areas. Keep away from strong oxidizing agents.

Other Precautions:

Section 8 – Exposure Controls / Personal Protection

Ventilation general mechanical ventilation. Oil mist inhalation should be avoided.

Protective Clothing/Equipment: Respiratory protection not necessary in normal industrial use. Respirator required if vapor or mists occur. NIOSH or MSHA respiratory protection must be worn if exposure to high concentrations is possible. Chemical tight goggles, full face-shield in addition if splashing is possible. Oil impervious Protective Gloves with outer layer of Mylar coated Durafab or PVA or Neoprene. Apron, arm covers or full body suit, depending on conditions. Impervious boots in case of prolonged liquid contact.

Safety Stations: Ventilate low-lying areas such as sumps or pits where dense vapors may collect. Use local exhaust to control exposures.

Work/Hygienic Practices: Use in well ventilated areas. Avoid inhaling vapors. Avoid contact with eyes, skin or clothing.

DOT Transportation Data

| <u>PART NUMBER(S)</u> | <u>SHIPPING NAME</u> | <u>HAZARD CLASS IDNO.</u> | <u>PACKING GROUP</u> |
|-----------------------|----------------------|---------------------------|----------------------|
| PY-7 | Consumer Commodity | N/A | N/A |

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