

# XL-700™

## MATERIAL SAFETY DATA SHEET

Effective Date: 01/01/2005

XL-700 is a diester based synthetic lubricant specifically formulated for use in Ingersoll-Rand's complete family of Large Reciprocating Air Compressors.

### 1. PRODUCT IDENTIFICATION: Mixture-Chemical Family: Diester

### 2. HAZARDOUS INGREDIENTS: The components of this product are not listed as hazardous or toxic according to OSHA (29 CFR OSHA 1910.1200), NTP, IARC and SARA 313.

#### Hazardous Materials Identification System (HMIS):

Health	Flammability	Reactivity	Basis	Hazard Ratings Key:
1	1	0	—	4 = Highest 0 = Lowest

### 3. PHYSICAL DATA:

**Boiling Point:** >660°F

**Vapor Pressure:** <0.02 mmHg @ 300° F

**Vapor Density:** Not volatile

**Solubility in Water:** Nil

**Appearance:** Clear red fluid

**Pour Point:** -30° F

**Specific Gravity:** 0.95 @ 15.5°

**Percent Volatile:** Not volatile

**Evaporation Rate:** Not volatile

**Odor:** Mild ester odor

### 4. FIRE AND EXPLOSION HAZARD DATA:

**Flash Point:** 480° F – No flash to maximum temperature tested 400° F/204° C  
(Test method: Pensky-Martens Closed Cup)

**Method Used:** COC

**Autoignition Temperature:** 770° F (410° C)

**Fire Point:** 550° F

**Flammable Limits:** Not established

**Fire Fighting Media:** Water spray, dry chemical, foam or carbon dioxide

**Fire Fighting Procedures:** Use water to keep fire-exposed container cool. Wear self-contained breathing apparatus and full turn-out gear to fight fire. Water or foam may cause frothing.

**Special Fire and Explosion Hazard:** None expected

### 5. HEALTH HAZARD:

**Threshold Limit Value:** Not established (Treat as mineral oil: 5mg/meter cubed)

**Effects on exposure:** Prolonged or repeated skin contact may tend to remove natural skin oils, thus leading to possible irritation and dermatitis.

**Medical Conditions Generally Aggravated by Exposure:** May aggravate previous skin condition.

**Skin Contact:** With repeated contact, a skin defatter. May cause redness or mild irritation.

**Skin Absorption:** Not established

**Ingestion (Acute):** Not established

**Inhalation (Acute):** Not established

**Eyes:** May be mildly irritating.

**Systemic & Other Effects:** Not established

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## 6. REACTIVITY DATA:

**Stability:** Stable. Will not react violently with water.

**Incompatibility:** Avoid contact with strong oxidizers, such as liquids chlorine, concentrated oxygen, sodium hypochlorite or calcium hypochlorite.

**Hazardous Decomposition:** Burning will produce oxides of carbon.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Open flames.

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## 7. HANDLING PRECAUTIONS:

**Exposure Guidelines:** Not established, OSHA TLV/TWA 5mg/m<sup>3</sup>oil mist can be used.

**Ventilation:** Local exhaust to capture vapor, mist or fumes, if necessary.

**Respiratory Protection:** Use NIOSH-approved equipment: filter; fume, or mist respirator under misty conditions.

**Skin Protection:** For prolonged use, use chemical resistant gloves to minimize skin contact.

**Eye Protection:** Use chemical splash goggles when contact may occur.

**Special Handling and Storage:** If splashing occurs, use apron. Do not get in eyes, on skin or clothing. Wash thoroughly after handling.

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## 8. ENVIRONMENTAL AND DISPOSAL INFORMATION:

**Steps to be Taken in Case of Spills:** Prevent spread of spill. Absorb with sand or an inert, absorbent material. Sweep or scoop up and remove.

**Waste Disposal Method:** Dispose of in accordance with local, state or federal laws.

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## 9. FIRST AID:

**Eyes:** Flush with water for at least 15 minutes. Hold eyelids open while flushing. If irritation persists, get medical attention.

**Skin:** Remove contaminated clothing and wash skin thoroughly with soap and water.

**Ingestion:** Do not induce vomiting. Get medical attention immediately.

**Inhalation:** Remove to fresh air. Get medical attention if discomfort persists.

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## 10. PREPARED BY: Ingersoll-Rand

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### Emergency Contact:

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