

XL-700™

MATERIAL SAFETY DATA SHEET

Effective Date: 01/01/2008

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.

7. HANDLING PRECAUTIONS:

Exposure Guidelines: Not established, OSHA TLV/TWA 5mg/m³oil 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.

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.

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.

10. PREPARED BY: Ingersoll-Rand

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