

# ORIGINAL SSR COOLANT

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## MATERIAL SAFETY DATA SHEET

**Effective Date:** 9/27/01

SSR Coolant synthetic coolant is specifically formulated for use in Ingersoll-Rand Rotary Air Compressors.

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

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

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

Health	Flammability	Reactivity	Basis
1	1	0	—

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**3. PHYSICAL DATA:**

**Boiling Point:** >660°F

**Vapor Pressure:** <0.035 mmHg @ 300°F

**Vapor Density:** Not volatile

**Solubility in Water:** Nil

**Appearance:** Blue to dark blue transparent fluid

**Pour Point:** -40°F (-40°C)

**Specific Gravity:** 0.94 @ 15.5°C

**Percent Volatile:** Not volatile

**Evaporation Rate:** Not volatile

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**4. FIRE AND EXPLOSION HAZARD DATA:**

**Flash Point:** 482°F (250°C)

**Method Used:** COC

**Fire Point:** 550°F (283°C)

**Auto ignition:** 765°F (407°C)

**Flammable Limits:** Not established

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

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and full turn-out gear to fight fire. Water or foam may cause frothing.

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

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**5. HEALTH HAZARD:**

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

**Medical Conditions Aggravated by Exposure:** Not applicable

**Skin Contact:** Prolonged or repeated skin contact tends to remove skin oils, possibly leading to irritation and dermatitis.

**Skin Absorption:** Not established

**Ingestion:** The oral LD 50 is greater than 5g/kg (total body weight)

**Inhalation:** Not established

**Eyes:** May be mildly irritating. ("Non-irritating" based on FHSA/OSHA regulations.)

**Systemic & Other Effects:** Not established



# Original SSR Coolant

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## 6. REACTIVITY DATA:

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

**Incompatibility:** Can react 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; dust, fume, or mist respirator under misty conditions.

**Skin Protection:** Use chemical-resistant gloves to avoid prolonged or repeated 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 or until irritation subsides. 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. Seek medical aid.

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

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## 10. PREPARED BY: Ingersoll-Rand

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