

SSR ULTRA PLUS COOLANT

MATERIAL SAFETY DATA SHEET

Effective Date: 6/22/01

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

1. **PRODUCT IDENTIFICATION:** Mixture Chemical **Family:** Inhibited Polyol Ester

2. **HAZARDOUS INGREDIENTS:** None of the ingredients in SSR Ultra Plus coolant have been 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 | Personal Protection |
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3. **PHYSICAL DATA:**

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| Boiling Point: >660°F (349°C) | Melting Point: Not applicable |
| Vapor Pressure: <0.02 mmHg @ 300°F (149°C) | Specific Gravity: 0.97 @ 60°F (16°C) |
| Vapor Density: Heavier than air | Percent Volatile: Not established |
| Solubility in Water: Negligible | Evaporation Rate: Not established |
| Appearance: Light amber liquid | Odor: Mild odor |

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

Flash Point: 475°F (246°C)
Method Used: ASTM D92
Auto ignition: 770°F (410°C)
Fire Degradation Products: CO, CO₂
Fire Fighting Media: Water spray or fog, foam, dry chemical, or CO₂
Special Fire Fighting Procedures: Cool containers with water spray.
Special Fire and Explosion Hazard: None known
Fire Fighting Equipment: Wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
Flammable Limits (LFL & HFL): Not determined

5. **HEALTH HAZARD:**

Threshold Limit Value: Not established
Effects on Exposure: See "Systemic and other Effects" below.
Skin Contact: May lead to irritation
Skin Absorption: A single prolonged skin exposure is not likely to result in absorption of harmful amounts. Material is sometimes encountered at elevated temperatures; more intense effects as well as thermal burns are possible.
Ingestion: Amounts ingested incidental to industrial handling are not likely to cause injury; however, ingestion of larger amounts may cause injury.
Inhalation: At room temperature exposures to vapors are unlikely due to physical properties; higher temperatures or mist may generate vapor levels sufficient to cause irritation and other effects.
Eyes: Not established
Systemic & Other Effects: Not established



SSR Ultra Plus Coolant

6. REACTIVITY DATA:

Stability: Stable under normal storage conditions

Incompatibility: Avoid strong oxidizing agents

Conditions to Avoid: Heat and/or open flames

Hazardous Decomposition: Burning produces carbon dioxide, carbon monoxide, and water

Hazardous Polymerization: Will not occur

7. HANDLING PRECAUTIONS:

Exposure Guidelines: Non-established

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

Respiratory Protection: OSHA/MSHA-approved respiratory equipment if ventilation is insufficient.

Skin Protection: Clean, body-covering clothing and chemical-resistant gloves.

Eye Protection: Safety glasses with side shields

Special Handling and Storage: Store in cool, dry place with adequate ventilation; reasonable care should be taken in handling product.

8. ENVIRONMENTAL AND DISPOSAL INFORMATION:

Steps to be Taken in Case of Spills: Ventilate area, absorb spill with inert material, and place into a chemical waste container.

Waste Disposal Method: Dispose in accordance with local, state, and federal laws and regulations.

9. FIRST AID:

Eyes: Immediately flush with plenty of water. If irritation persists, get medical attention.

Skin: Wash with soap and water. If irritation persists, get medical attention.

Slight Inhalation: Remove to fresh air. If not breathing, give CPR. If breathing is difficult, give oxygen. Get medical attention.

Hazardous Inhalation: Remove to fresh air. If breathing is difficult, provide oxygen. Get immediate medical attention.

Slight Ingestion: No adverse effects expected. If symptoms develop, get medical attention

Hazardous Ingestion: Do not induce vomiting. Get medical attention.

10. PREPARED BY: Ingersoll-Rand

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Emergency Contact:

Telephone: 704/896-4500

Telex: 572584 IRACDSN DVDS

800-B Beaty Street

Davidson, NC 28036

