

SSR ULTRA COOLANT™

MATERIAL SAFETY DATA SHEET

Effective Date: 01/01/2002

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

1. **PRODUCT IDENTIFICATION:** Inhibited polyoxyalkylene glycol/pentaerythritol ester blend (100%)

2. **HAZARDOUS INGREDIENTS:** None of the ingredients in SSR Ultra 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	Basis	Hazard Ratings Key:	
0	1	0	—	4 = Highest	0 = Lowest

3. **PHYSICAL DATA:**

Boiling Point: Not applicable

Vapor Pressure: <0.01 mmHg @ 20° C

Vapor Density: Not determined

Solubility in Water: <1 gm/100 gm

Appearance: Light amber liquid

Melting Point: Not established

Specific Gravity: 0.9901 @ 25/25° C

Percent Volatile: Not established

Evaporation Rate: Not established

Odor: Low odor

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

Flash Point: 520° F (271° C); 410° F (210° C)

Method Used: COC; PMCC

Auto Ignition: 731° F (388° C)

Fire Fighting Media: Water fog, foam, alcohol-resistant foam, CO2, dry chemical.

Special Fire Fighting Procedures: None

Special Fire and Explosion Hazard: None known

Fire Fighting Equipment: Wear positive-pressure, self-contained breathing apparatus.

Flammable Limits: LFL-not determined, UFL-not determined.

5. **HEALTH HAZARD:**

Threshold Limit Value: Not established

Effects on Exposure: See "Systemic and other Effects" below.

Skin Contact: Prolonged contact is essentially non-irritating to skin.

Skin Absorption: A single prolonged skin exposure is not likely to result in absorption of harmful amounts. The LD 50 for skin absorption in rabbits is >2000 mg/kg. Material is sometimes encountered at elevated temperatures; more intense effects as well as thermal burns are possible.

Ingestion: Single dose oral toxicity is low. The oral LD 50 for rats is >4000mg/kg. 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: Essentially non-irritating to eyes.

Systemic & Other Effects: Observations in animals exposed to excessive amounts of the polyglycol in this product include slight kidney and liver effects.

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6. REACTIVITY DATA:

Stability: (Conditions to avoid) Stable under normal storage conditions

Incompatibility: (Specific materials to avoid) oxidizing material

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

Hazardous Polymerization: Will not occur

7. HANDLING PRECAUTIONS:

Exposure Guidelines: Non-established

Ventilation: Good room ventilation usually adequate for most operations

Respiratory Protection: None normally needed

Skin Protection: Clean body-covering clothing

Eye Protection: Safety glasses

Special Handling and Storage: Reasonable care should be taken in handling this product.

8. ENVIRONMENTAL AND DISPOSAL INFORMATION:

Steps to be Taken in Case of Spills: Soak up with suitable absorbent material, then sweep into plastic bag for disposal.

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

9. FIRST AID:

Eyes: Irrigate immediately with water for at least 5 minutes.

Skin: Wash off in flowing water or shower.

Ingestion: Induce vomiting if large amounts are ingested. Consult medical personnel.

Inhalation: Remove to fresh air if affected. Consult physician.

Note to Physician: No specific antidote. Supportive care. Treatment based on judgement of the physician in response to reactions of the patient.

10. ADDITIONAL INFORMATION:

SARA Hazard Category: This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Not to have met any hazard category

OSHA Hazard Communication Standard: This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

11. PREPARED BY: Ingersoll-Rand

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Emergency Contact:

Telephone: 704/896-4500

Telex: 572584 IRACDSN DVDS

800-A Beaty Street

Davidson, NC 28036

