

ORIGINAL SSR COOLANT

INGERSOLL-RAND®
AIR COMPRESSORS

MATERIAL SAFETY DATA SHEET

Effective Date: 6/23/91

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

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

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	---

3.) PHYSICAL DATA:

Boiling Point: Not established

Vapor Pressure: Less than 5 mmHg @ 20° C

Vapor Density: Greater than 15

Solubility in Water: Nil

Appearance: Blue to dark blue transparent fluid

Pour Point: -40° F (-40°C)

Specific Gravity: 0.94 @ 15.5/15.5° C

Percent Volatile: Negligible

Evaporation Rate: Not established

4.) FIRE AND EXPLOSION HAZARD DATA:

Flash Point: 490° F (250° C)

Method Used: COC

Fire Point: 550° F (283° C)

Autoignition: 775° F (408° C)

Flammable Limits: Not established

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

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

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

6.) REACTIVITY DATA:

Stability: Stable. Will not react violently with water.

Incompatibility: Can react to strong oxidizers such as liquid 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/m³ 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 or safety glasses 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 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.

10.) PREPARED BY: Ingersoll-Rand

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