

# SSR ULTRA COOLANT

**INGERSOLL-RAND**  
**AIR COMPRESSORS**

## MATERIAL SAFETY DATA SHEET

**Effective Date:** 7/1/95

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
0	1	0	—

**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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PRODUCT NAME: Activated Aluminas

**10. STABILITY AND REACTIVITY**

CHEMICAL STABILITY (CONDITIONS TO AVOID): Avoid water.  
INCOMPATIBILITY: None.  
HAZARDOUS DECOMPOSITION PRODUCTS: None.  
HAZARDOUS POLYMERIZATION: None.  
Generates heat with water.  
Non-corrosive.

**11. TOXICOLOGICAL INFORMATION**

No LD<sub>50</sub> or LC<sub>50</sub> found for oral, dermal or inhalation routes of administration.

**12. ECOLOGICAL INFORMATION**

ECOTOXICOLOGICAL /CHEMICAL FATE INFORMATION:  
Not available.

**13. DISPOSAL CONSIDERATION**

Collect in containers, bags, or covered dumpster boxes. If reuse or recycling is not possible, material may be disposed of at a sanitary landfill.  
TCLP data are available.

RCRA Hazardous Waste No.: Not federally regulated.

**14. TRANSPORT INFORMATION**

Not regulated by U.S.A. DOT.  
Canadian TDG Hazard Class & PIN - Not regulated.

**15. REGULATORY INFORMATION**

For inventory reporting purposes, CAS No. 1344-28-1 was assigned for aluminum hydroxide and activated alumina products instead of the CAS number indicated in Section 2.

This material does not contain nor was it manufactured using ozone-depleting chemicals.

**U.S. FEDERAL REGULATIONS:**

TSCA STATUS: On Toxic Substances Control Act Inventory.

CERCLA REPORTABLE QUANTITY: None.

F35-13203

**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

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**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.

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**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.

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**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.

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**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.

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**11.) PREPARED BY: Ingersoll-Rand**

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**Emergency Contact:**

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Form APDD 236-E-95

**INGERSOLL-RAND**  
**AIR COMPRESSORS**

PRODUCT NAME: Activated Aluminas

SARA TITLE III:

Section 302 Extremely Hazardous Substances:	None.
Section 311/312 Hazardous Categories:	Immediate (Acute).
Section 313 Toxic Chemicals:	None.

RCRA STATUS: Not regulated.

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS: Listed on Domestic Substances List.

EINECS: All components of this product are on the European Inventory of Existing Commercial Chemical Substances.

**16. OTHER INFORMATION**

MSDS Status: New format.

Product Use: Absorbant; dehydration agent; catalyst support.

Prepared by the Hazardous Materials Control Committee.

REFERENCES:

- American Industrial Hygiene Association (AIHA) Hygienic Guide Series, June 1978 Edition.
- U.S. Dept. of Health and Human Services, NIOSH: Registry of Toxic Effects of Chemical Substances, 1985-86 Edition.
- Sax, N. Irving: Dangerous Properties of Industrial Materials, Van Nostrand Reinhold Co., Inc., 1984.
- American Conference of Governmental Industrial Hygienists, Inc. (ACGIH), Documentation of the Threshold Limit Values and Biological Exposure Indices, Sixth Edition, 1992.

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