

SSR ULTRA PLUS COOLANT

MATERIAL SAFETY DATA SHEET

According to EC-directive 93/112/EC

Effective Date: 1/29/2002

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

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING:

Product Label Name: SSR Ultra Plus Coolant

Suppliers

Ingersoll-Rand Company
800-B Beaty Street
Davidson, NC 28036 USA

2. COMPOSITION/INFORMATION ON INGREDIENTS:

This product is to be considered as a preparation in conformance to EC directives information on hazardous ingredients:

Chemical Description: Ester containing mixture

Composition/Information on Ingredients

Number % w/w CAS-number Chemical Name

1 approx. 97 – Esters

Number EC-number Annex-1 Number Symbol(s) Risk-phrase(s)

1 – – none none

Other information: Balance: non-hazardous ingredients. All components are registered in OSHA (29 CFR OSHA 1910.1200), NTP, IARC, and SARA 313; also EU (EINECS/ELINCS).

3. HAZARDS IDENTIFICATION:

Not classified as hazardous according to the EEC Dangerous Substance Directive and Dangerous Preparation Directive.

4. FIRST AID MEASURES:

Symptoms and effects: No typical symptoms and effects known.

First Aid

Inhalation: Move to fresh air, rest, half upright position, loosen clothing. In all cases of doubt, or when symptoms persist, seek medical attention.

Skin: Wash immediately with soap and water.

Eye: Hold the eyelids open and flush with copious amounts of water immediately.

Continue for 15 minutes. Seek medical advice if irritation develops.

Ingestion: DO NOT induce vomiting. Rinse mouth with water. Seek medical advice.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Carbon Dioxide (CO₂) or foam

Unsuitable Extinguishing Media: Waterjet

Special Exposure Hazards: None known

Hazardous Decomposition/Combustion Products: Carbon Monoxide (CO)

Special Fire Fighting Equipment: Wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.

Flammable Limits (LFL & HFL): Not determined

Fire Fighting Procedure: Cool containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with skin, eyes and clothing.

Environmental Precautions: Do not allow to enter drains or water courses.

Methods for Cleaning Up: Absorb with sand, sweep up and put into a container for disposal.

Other Information: Product may cause a slip hazard.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes and clothing.

Storage Requirements: Store in a dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Provide adequate ventilation.

Exposure Limits: No exposure limits have been established for this material.

Personal Protection – Respiratory: Avoid breathing vapours.

Hand: Wear suitable gloves.

Eye: Wear safety glasses.

Skin and Body: Avoid contact with skin.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid **Colour:** Yellow **Odour:** Almost odourless

Boiling Point/Range: Not determined **Melting Point/Range:** Not determined

Flash Point: 252°C (open cup)

Density: 957 kg/m³ (15°C) **Bulk Density:** Not relevant

Solubility in Water: Insoluble **Solubility in Other Solvents:** Soluble in most organic solvents.

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage and handling conditions (see section 7).

Conditions to Avoid: None known

Materials to Avoid: Strong oxidising agents

Hazardous Decomposition Products: None known

11. TOXICOLOGICAL INFORMATION

No experimental toxicological data on the preparation as such available.

The following data are applicable to the ingredient(s) listed below:

Name: Ester

Acute Toxicity – Oral LD50: >2000 mg/kg (rat) (Lit.)

Irritation –Skin: Non-irritating

Dermal LD50: >2000 mg/kg (rabbit) (Lit.)

Eye: Non-irritating

Sensitization: Not sensitizing

12. ECOLOGICAL INFORMATION

No experimental ecological data are available on the preparation as such.

13. DISPOSAL CONSIDERATIONS

Product: According to local regulations.

Contaminated packaging: According to local regulations.

14. TRANSPORT INFORMATION

Land transport (ADR/ RID)

ADR class: Not applicable **ADR item number:** Not applicable

RID class: Not applicable **RID item number:** Not applicable

Hazard Identification No.: Not applicable **Substance Identification No.:** Not applicable

TREM-Card: Not applicable

UN number: Not applicable

Sea transport (IMDG-code/ IMO)

IMO/IMDG code: Not applicable

Class: Not applicable

Packing group: Not applicable

UN number: Not applicable

EMS: Not applicable

MFAG: Not applicable

Marine pollutant: Not applicable

Air transport (ICAO- TI/ IATA-DGR)

ICAO-TI/IATA-DGR Class: Not applicable

UN number: Not applicable

Packing group: Not applicable

15. REGULATORY INFORMATION

Chemical description: Ester containing mixture

Labelling according to EC directives

Symbol(s): none **Risk phrase(s):** none **Safety phrase(s):** none

Wassergefährdungsklasse (WGK): 3 (Calculated according to VwVwS norm - latest edition)

16. OTHER INFORMATION

Note: This information is furnished without warranty, representation, inducement or license of any kind, except that it is accurate to the best of Ingersoll-Rand's knowledge or obtained from sources believed by Ingersoll-Rand to be accurate, and Ingersoll-Rand does not assume any legal responsibility for use or reliance upon same. Customers are encouraged to conduct their own tests. Before using any product, READ ITS LABEL.

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