

Ultra Plus

MATERIAL SAFETY DATA SHEET

Effective Date: 01/01/08

1. PRODUCT AND COMPANY IDENTIFICATION:

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

Mixture-Chemical Family: Inhibited Polyol Ester

24-Emergency Contact: Phone Information Center Ph 13 11 26

2. HAZARDS IDENTIFICATION:

Physical State: Liquid

Odor: Mild

Color: Amber (Light)

Hazard Status: This material is classified as not hazardous under OSHA regulations in the United States, the WHMIS in Canada, the NOM-018-STPS-2000 in Mexico and Brazil NBR 14725:2001.

Emergency Overview: No specific hazard.

USE WITH CARE.

Follow good industrial hygiene practice.

Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Potential Acute Health Effects:

Eyes: No known significant effects or critical hazards.

Skin: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Potential Chronic Health Effects: Carcinogenic effects: Not applicable.

Mutagenic effects: Not applicable.

Teratogenic effects: Not applicable.

See toxicological information (Section 11)

3. COMPOSITION/INFORMATION ON INGREDIENTS

No hazardous ingredient.

4. FIRST AID MEASURES:

Eye contact: Check for and remove any contact lenses. In case of contact, immediately flush skin with plenty of water for at least 20 minutes while removing contaminated clothing and shoes. Get medical attention if irritation occurs.

Skin contact: Wash with soap and water. Get medical attention if irritation occurs.

Inhalation: If inhaled, remove to fresh air. If not breathing. Give artificial respiration. Get medical attention if symptoms appear.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

Notes to physician: Not available.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training.

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5. FIRE-FIGHTING MEASURES

Flammability of the product: May be combustible at high temperature.

Products of combustion: The final products of combustion are carbon oxides and water. Nitrogen, sulfur and metal oxides may also be produced in some cases.

Extinguishing Media

Suitable: Use an extinguishing agent suitable for the surrounding fire.

Not Suitable: None known.

Special exposure hazards: No specific hazard.

Special protective equipment for fire fighters: Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Methods for cleaning up: If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

7. HANDLING AND STORAGE

Handling: Wash thoroughly after handling.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Consult local authorities for acceptable exposure limits.

Engineering measures: No special ventilation requirements. Good general ventilation should be sufficient to control airborne levels. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Personal Protection:

Eye protection: Safety glasses with side shields.

Skin protection/body: Not applicable.

Respiratory protection: Not applicable.

Hand protection: Natural rubber (latex).

HMIS Code/Personal protective equipment: B

Personal protection in case of a large spill: Safety glasses, goggles or face shield. Impervious gloves. Full suit. Boots. Wear NIOSH-approved self-contained apparatus or equivalent and full protective gear. Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid

Color: Amber (light)

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Odor: Mild

Specific gravity: >0.97 (Water = 1)

Flash point: Open cup: >245°C (473°F)(Cleveland).

10. STABILITY AND REACTIVITY

Stability and reactivity: The product is stable.

Conditions of instability: None known.

Incompatibility with various substances: Reactive with oxidizing materials.

Hazardous polymerization: Will not occur.

Conditions of reactivity: None known.

11. TOXICOLOGICAL INFORMATION:

Acute effects:

Eyes: No known significant effects or critical hazards.

Skin: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Potential chronic health effects: Carcinogenic effects: Not applicable.

Teratogenic effects: Not applicable.

12. ECOLOGICAL INFORMATION

Environmental precautions: Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Products of degradation: The final products of biodegradation are carbon oxides and water. Nitrogen and sulfur oxides and metal salts may also be produced in some cases.

Toxicity of the products of biodegradation: The product itself and its products of degradation are not toxic.

13. DISPOSAL CONSIDERATIONS

Waste disposal: The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

14. TRANSPORT INFORMATION

NAERG: Not applicable.

Regulatory information:

UN/ IMDG/IATA DOT/TDG: Not regulated by any transport mode.

15. REGULATORY INFORMATION

(Not meant to be all inclusive – selected regulations represented)

16. OTHER INFORMATION

Notice: The information herein is presented in good faith and believed to be accurate as of

the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See other sections for health and safety information.

U.S. Regulations

SARA 313 INFORMATION: To the best of our knowledge, this product contains no chemical

subject to SARA Title III Section 313 supplier notification requirements.

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.

TOXIC SUBSTANCES CONTROL ACT (TSCA): All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

STATE RIGHT-TO-KNOW: This product is not known to contain any substances subject to the disclosure requirements of New Jersey & Pennsylvania, Massachusetts & California.

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

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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