1. Identification

Product identifier used on the label

Ingersoll Rand® Ultra EL™ Synthetic Rotary Coolant

Recommended use of the chemical and restriction on use
Recommended use: lubricants additives

* The “Recommended use” identified for this product is provided solely to comply with a US Federal requirement and is not part of Ingersoll Rand’s published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in BASF’s Sales Agreement.

Details of the supplier of the safety data sheet

Company:
Distributed by
Ingersoll Rand
800D Beaty St.
Davidson, NC 28036, USA

Telephone: +01 704-655-4000

Emergency telephone number

U.S. 24-hour Emergency #: 800-424-9300
Outside the U.S. Emergency #: +01 703-527-3887

Other means of identification

Synonyms: Not available. Use: Coolant

2. Hazards Identification


Classification of the product

No need for classification according to GHS criteria for this product.

Label elements (Emergency overview)
Hazards not otherwise classified

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

Emergency overview


Repeated exposure may cause skin dryness or cracking.

3. Composition / Information on Ingredients


This product is not regarded as hazardous under current OSHA Hazard Communication standard; CFR 29 Part 1910.1200.

4. First-Aid Measures

Description of first aid measures

General advice:
Remove contaminated clothing.

If inhaled:
If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

If on skin:
Wash thoroughly with soap and water.
If irritation develops, seek medical attention.

If in eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open.
If irritation develops, seek medical attention.

If swallowed:
Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.
5. Fire-Fighting Measures

**Extinguishing media**

Suitable extinguishing media:
- water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons:
- water jet

**Special hazards arising from the substance or mixture**

Hazard during fire-fighting:
- harmful vapours
- Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

**Advice for fire-fighters**

Protective equipment for fire-fighting:
- Wear a self-contained breathing apparatus.

**Further information:**

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

Use personal protective clothing. Keep people away and stay on the upwind side. Breathing protection required.

**Environmental precautions**

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

**Methods and material for containment and cleaning up**

For large amounts: Pump off product.
For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

7. Handling and Storage

**Precautions for safe handling**

No special measures necessary provided product is used correctly. Handle in accordance with good industrial hygiene and safety practice.
Protection against fire and explosion:
No special precautions necessary.

**Conditions for safe storage, including any incompatibilities**

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

Protect from temperatures below: -10 °C
Protect from temperatures above: 40 °C

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### 8. Exposure Controls/Personal Protection

**Personal protective equipment**

**Respiratory protection:**
Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

**Hand protection:**
Chemical resistant protective gloves

**Eye protection:**
Safety glasses with side-shields.

**General safety and hygiene measures:**
Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice.

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### 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>liquid</td>
</tr>
<tr>
<td>Odour</td>
<td>mild</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available.</td>
</tr>
<tr>
<td>Colour</td>
<td>yellow to brownish</td>
</tr>
<tr>
<td>pH value</td>
<td>7</td>
</tr>
<tr>
<td>(measured with the undiluted substance)</td>
<td></td>
</tr>
<tr>
<td>Melting point</td>
<td>not determined</td>
</tr>
<tr>
<td>Boiling temperature</td>
<td>&gt; 250 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>270 °C</td>
</tr>
<tr>
<td>(ASTM D92)</td>
<td></td>
</tr>
<tr>
<td>Flammability</td>
<td>not flammable</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td></td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td></td>
</tr>
<tr>
<td>Autoignition</td>
<td>not determined</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No applicable information available.</td>
</tr>
<tr>
<td>Density</td>
<td>0.9828 g/cm3</td>
</tr>
<tr>
<td>Partitioning coefficient n-octanol/water (log Pow)</td>
<td>0.15 (ISO 2811-3)</td>
</tr>
<tr>
<td>Self-ignition temperature</td>
<td>&gt; 300 °C</td>
</tr>
<tr>
<td>(DIN 51794)</td>
<td></td>
</tr>
<tr>
<td>Thermal decomposition</td>
<td>No decomposition if correctly stored and handled.</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>48 mm2/s</td>
</tr>
<tr>
<td>(40 °C) (ASTM D445)</td>
<td></td>
</tr>
</tbody>
</table>
### 10. Stability and Reactivity

#### Reactivity

Additional information:
No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:
No corrosive effect on metal.

**Oxidizing properties:**
not fire-propagating

<table>
<thead>
<tr>
<th>Reactions with water/air:</th>
<th>Reaction with:</th>
<th>water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable gases:</td>
<td>no</td>
<td></td>
</tr>
<tr>
<td>Toxic gases:</td>
<td>no</td>
<td></td>
</tr>
<tr>
<td>Corrosive gases:</td>
<td>no</td>
<td></td>
</tr>
<tr>
<td>Smoke or fog:</td>
<td>no</td>
<td></td>
</tr>
<tr>
<td>Peroxides:</td>
<td>no</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reaction with:</th>
<th>air</th>
</tr>
</thead>
<tbody>
<tr>
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<td>no</td>
</tr>
<tr>
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<tr>
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</tr>
<tr>
<td>Smoke or fog:</td>
<td>no</td>
</tr>
<tr>
<td>Peroxides:</td>
<td>no</td>
</tr>
</tbody>
</table>

#### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

- **Peroxides:** 0.000 %
  - The product does not contain peroxides.

#### Possibility of hazardous reactions

Hazardous reactions:
No hazardous reactions when stored and handled according to instructions.

The product is chemically stable.

#### Conditions to avoid

Conditions to avoid:
Avoid extreme temperatures.

#### Incompatible materials

Substances to avoid:
- strong oxidizing agents, strong bases, strong acids
Hazardous decomposition products

Decomposition products:
Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:
No decomposition if correctly stored and handled.

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Oral
Type of value: LD50
Species: rat
Value: > 5,000 mg/kg

Irritation / corrosion
Assessment of irritating effects:
Not irritating to eyes and skin.

Sensitization

Assessment of sensitization:
A sensitizing effect on particularly sensitive individuals cannot be excluded.

Chronic Toxicity/Effects

Genetic toxicity

Assessment of mutagenicity: Based on the ingredients, there is no suspicion of a mutagenic effect.

Carcinogenicity
Assessment of carcinogenicity: The whole of the information assessable provides no indication of a carcinogenic effect.

Reproductive toxicity
Assessment of reproduction toxicity: Based on the ingredients, there is no suspicion of a toxic effect on reproduction.

Teratogenicity
Assessment of teratogenicity: No teratogenic effects reported.

Other Information
The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

Symptoms of Exposure
The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:
There is a high probability that the product is not acutely harmful to aquatic organisms.

Persistence and degradability

Assessment biodegradation and elimination (H2O)
Biodegradable.

Bioaccumulative potential

Assessment bioaccumulation potential
Discharge into the environment must be avoided.

Mobility in soil

Assessment transport between environmental compartments
No data available.

Additional information

Add. remarks environm. fate & pathway:
At the present state of knowledge, no negative ecological effects are expected.

Other ecotoxicological advice:
The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

13. Disposal considerations

Waste disposal of substance:
Dispose of in accordance with national, state and local regulations. Do not discharge into drains/surface waters/groundwater. It is the waste generator’s responsibility to determine if a particular waste is hazardous under RCRA.

Container disposal:
Recommend crushing, puncturing or other means to prevent unauthorized use of used containers. Dispose of in accordance with national, state and local regulations.

14. Transport Information

Land transport
USDOT

Not classified as a dangerous good under transport regulations
Safety Data Sheet
Ingersoll Rand→Ultra EL™ Synthetic Rotary Coolant
Revision date: 2014/01/13
Version: 6.0

15. Regulatory Information

Federal Regulations

Registration status:
Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Not hazardous;

<table>
<thead>
<tr>
<th>CERCLA RQ</th>
<th>CAS Number</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000 LBS</td>
<td>25619-56-1</td>
<td>Naphthalenesulfonic acid, dinonyl-, barium salt (2:1)</td>
</tr>
<tr>
<td>100 LBS</td>
<td>75-56-9</td>
<td>Propylene oxide</td>
</tr>
</tbody>
</table>

State regulations

CA Prop. 65:
THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO
CAUSE CANCER.

NFPA Hazard codes:
Health: 0 Fire: 1 Reactivity: 0 Special:

HMIS III rating
Health: 0 Flammability: 1 Physical hazard: 0 (Essentially no hazard)

16. Other Information

SDS Prepared by:
BASF NA Product Regulations
SDS Prepared on: 2014/01/13

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the safe and environmentally sound handling of our products, and minimizing the impact of our
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