Royal Rozep Advanced 10W (ISO 46)

SECTION 1: PRODUCT IDENTIFICATION

Product Name: Royal Rozep Advanced 10W (ISO 46)
Product Code #: 307H
CAS #: Not applicable for mixtures
Manufacturer: Royal Mfg Co, LP
Synonym: Not applicable
Chemical Name: Not applicable
Chemical Formula: Not applicable
Trade Secret: No
Address: 516 S. 25th West Ave.
          Tulsa, OK 74127
Phone: (918) 584-2671
Emergency Contact: CHEMTREC (24 hour Emergency Telephone), call: 1-800-424-9300
                   International CHEMTREC, call: 1-800-255-3924
Recommended Use: Hydraulic Oil
Restrictions on Use: This product must not be used in applications other than recommended in Section 1 without taking the advice from supplier/manufacturer.

SECTION 2: HAZARD(S) IDENTIFICATION

Classifications:
- Skin Corrosion: Category 3
- Eye Damage: Category 2A
- Skin sensitization: Category 1
- Aquatic Hazard – Acute: Category 3
- Aquatic Hazard – Long-term: Category 4

Pictograms:

Signal Word: Warning

Hazard Statements:
- Causes mild skin irritation.
- Causes serious eye irritation.
- May cause an allergic skin reaction.
- Harmful to aquatic life.
- May cause long lasting harmful effects to aquatic life.

Precautionary Statements:
- P101: If medical advice is needed have product container or label at hand
- P102: Keep out of reach of children
- P103: Read Label before use
- P210: Keep away from Heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking.
- P211: So not spray on an open flame or other ignition source.
P232: Protect from Moisture.
P233: Keep container tightly closed
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection
P404: Store in a closed container

Percent of the mixture consisting of ingredient(s) of unknown toxicity:
None

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Designation</th>
<th>% of Comp.</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Alkylthiophosphate</td>
<td>&lt; 1.0%</td>
<td>84605-29-8</td>
</tr>
<tr>
<td>Butylated Phenol</td>
<td>&lt; 1.0%</td>
<td>Confidential</td>
</tr>
<tr>
<td>Calcium Sulfonate</td>
<td>&lt; 0.1%</td>
<td>61789-86-4</td>
</tr>
<tr>
<td>Aryl Phosphate</td>
<td>&lt; 0.1%</td>
<td>101-02-0</td>
</tr>
<tr>
<td>2-Ethylhexanol</td>
<td>&lt; 0.1%</td>
<td>104-76-7</td>
</tr>
<tr>
<td>Aryl Thiophosphate</td>
<td>&lt; 0.1%</td>
<td>597-82-0</td>
</tr>
<tr>
<td>Alkylated phenol</td>
<td>&lt; 0.1%</td>
<td>121158-58-5</td>
</tr>
<tr>
<td>Substituted Triazole</td>
<td>&lt; 0.1%</td>
<td>Confidential</td>
</tr>
</tbody>
</table>

SECTION 4: FIRST AID MEASURES

Eyes: Flush eyes with water for at least 15 minutes. If irritation persists, seek medical attention.
Skin: Immediately remove contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes. Call a physician immediately.
Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration using a pocket mask type resuscitator. Call a physician immediately.
Ingestion: Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person.

SECTION 5: FIRE FIGHTING MEASURES

Fire Hazard: No
Flash Point °C (°F): > 93.0° (199.4°)
Flammable Limits: LOWER: Not determined UPPER: Not determined
Extinguishing Media: Water Mist
Foam
Dry Powder
CO2
Special protective Equipment and firefighting procedures: Not determined
Unusual Fire & Explosion: Not determined

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Vapor protective clothing should be worn for spills and leaks with no fire. Do not touch damaged container or spilled material unless wearing appropriate protective clothing/equipment. Ventilate the closed area.
Spills / Leaks: Isolate the spill/leak area in all directions for about 50 meters (150 ft) for liquids and about 25 meters (75 ft) for solids and semi-solids. Eliminate all ignition sources (no smoking, flares, sparks/flames in close vicinity). Keep unauthorized persons away and ventilate closed space before entering

SECTION 7: HANDLING & STORAGE
Handling: Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and prompt removal of material from eyes skin and clothing.

Storage: Store in a sealed container in a cool, dry environment.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:
OSHA Permissible: 5 mg/m³
Threshold Limit Values (TLVs):
Exposure Limits (PELs): 10 mg/m³

Engineering Controls:
N/A

Personal Protective Equipment:
Face: Safety Glasses
Eyes: Safety Glasses
Skin: Gloves
Respiratory: Not determined

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Amber liquid
Odor: Petroleum
Odor Threshold: Not determined
pH: Not determined
Melting Point °C (°F): Not determined
Freezing Point °C (°F): Not determined
Pour Point °C (°F): -24.0° (-11.2°)
Boiling Range: N/A
Flash Point °C (°F): > 199.4° (93.0°)
Flash Point Method used: ASTM D92
Evaporation Rate: Not determined
Viscosity (cSt): 46.00 @ 40° C
Flammability: None

SECTION 10: STABILITY AND REACTIVITY

Chemical Reactivity: Not determined
Chemical Stability: Stable under normal ambient temperature and conditions.
Conditions to Avoid: Extreme temperature and direct sunlight/heat/flame
Materials to Avoid: Strong oxidizing agents
Hazardous Decomposition: Not expected

SECTION 11: TOXICOLOGICAL INFORMATION

Inhalation

Handling: Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and prompt removal of material from eyes skin and clothing.

SECTION 11: TOXICOLOGICAL INFORMATION

Inhalation
Description of effects from short- and long-term exposure: Not known
Description of symptoms: Not known
Measure of toxicity: Not known

Ingestion
Description of effects from short- and long-term exposure: Not known
Description of symptoms: May cause nausea and vomiting.
Measure of toxicity: Not known

Eyes
Description of effects from short- and long-term exposure: Not known
Description of symptoms: Contact may cause eye irritation.
Measure of toxicity: Not known

Skin
Description of effects from short- and long-term exposure: Not known
Description of symptoms: Prolonged or repeated skin contact may cause irritation.
Measure of toxicity: Not known

Carcinogens listing:
NTP: No
IARC: No
OSHA: No
GHS: No

Chronic Toxicity: No

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity: No data available
Biodegradability: No data available
Bioaccumulation: No data available

SECTION 13: DISPOSAL CONSIDERATION

Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations. Regulations may vary by location.

SECTION 14 : TRANSPORT INFORMATION

UN Number: 
Proper Shipping Name: Royal Rozep Advanced 10W (ISO 46)

Pictograms:
SECTION 15: REGULATORY INFORMATION

OSHA Regulated Hazard: No
DOT Regulated: No
E C Classification: Non-applicable
TSCA Status: In compliance with TSCA inventory requirements for commercial purposes
SARA 312 Regulated Chemical(s): No
SARA 313 Regulated Chemical(s): Yes
EPA Registration Number: Non-applicable
California Prop. 65:
- Toluene 0.001730%
- Benzene 0.000001%
- Ethyl Acrylate 0.000000%
PA Right to know Chemical(s): None known
NJ Right to know Chemical(s): None known
Additional State Regulations: None known
Canada: Non-applicable

SECTION 16: OTHER INFORMATION

NFPA

HMIS

Royal Rozep Advanced 10W (ISO 46)

HEALTH 1
FLAMMABILITY 1
REACTIVITY 0
PERSONAL PROTECTION B

The above Information is based on the present state of our knowledge of the product at the time of publication. No warranty is implied with respect to the quality or the specification of the product and the user must satisfy themselves that the product is entirely suitable for their purposes.

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