SAFETY DATA SHEET
Royal Rozep Hydraulic EP 20K AW Oils

SECTION 1: PRODUCT IDENTIFICATION

Product Name: ROZEP Hydraulic EP 20K AW Oils
Product Code #: 306 - 308
CAS #: Not Applicable for Mixtures
Manufacturer: Royal Mfg Co LP
Synonym: Not Applicable
Chemical Name: Not Applicable
Chemical Formula: Not Applicable
Trade Secret: Yes

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 eye irritation
- May cause an allergic skin reaction
- Harmful to aquatic life
- May cause longlasting 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
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
Percent of the mixture consisting of ingredient(s) of unknown toxicity: Not known

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 alkyl dithiophosphate</td>
<td>&lt; 0.4</td>
<td>Confidential</td>
</tr>
<tr>
<td>Butylated phenol</td>
<td>&lt; 0.25</td>
<td>128-39-2</td>
</tr>
<tr>
<td>Aryl phosphite</td>
<td>&lt; 0.04</td>
<td>101-02-0</td>
</tr>
<tr>
<td>Calcium sulfonate</td>
<td>&lt; 0.04</td>
<td>Confidential</td>
</tr>
<tr>
<td>2-ethylhexanol</td>
<td>&lt; 0.04</td>
<td>104-76-7</td>
</tr>
<tr>
<td>Substituted triazole</td>
<td>&lt; 0.01</td>
<td>Confidential</td>
</tr>
<tr>
<td>Alkylated phenol</td>
<td>&lt; 0.005</td>
<td>121158-58-5</td>
</tr>
<tr>
<td>Alkylated phenol</td>
<td>&lt; 0.005</td>
<td>Confidential</td>
</tr>
<tr>
<td>Aryl thiophosphate</td>
<td>&lt; 0.04</td>
<td>597-82-0</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

**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 and walk through spill area. 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 Exposure Limits (PELs):
Threshold Limit Values (TLVs):

Engineering Controls:
N/A

Personal Protective Equipment:
Face:
Eyes: Safety Glasses
Skin: Gloves
Respiratory:

Pictograms:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Amber Liquids
Upper Flammability/Explosive Limit:

Odor: Petroleum
Lower Flammability/Explosive Limit:

Odor Threshold:
Not Determined

pH:
Not Determined

Melting Point C(F):
Not Determined

Freezing Point C(F):
Not Determined

Pour Point C(F):
Dependant on specific grade

Boiling Range:
N/D

Flash Point C(F):
>93.0° (>199.4°)

Flash Point Method used:
ASTM D92

Evaporation Rate:
Not Determined

Flammability:
None

VOC Content:
Not Determined

VOC Less Water & Exempts:
Not Determined
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 Determined

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: May cause skin 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: Not Determined
Biodegradability: Not Determined
Bioaccumulation: Not Determined

SECTION 13: DISPOSAL CONSIDERATION
Take expert advice of local regulatory agency for proper disposal of this product

### SECTION 14: TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>UN Number:</th>
<th>Proper Shipping Name: Royal Rozep EP 20K AW Hydraulic Oil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pictograms:</td>
</tr>
</tbody>
</table>

### SECTION 15: REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>OSHA Regulated Hazard:</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT Regulated:</td>
<td>No</td>
</tr>
<tr>
<td>E C Classification:</td>
<td>Non-applicable</td>
</tr>
<tr>
<td>TSCA Status:</td>
<td>In compliance with TSCA inventory requirements for commercial purposes</td>
</tr>
<tr>
<td>SARA 312 Regulated Chemical(s):</td>
<td>No</td>
</tr>
<tr>
<td>SARA 313 Regulated Chemical(s):</td>
<td>This product may contain chemical(s) regulated under the Superfund Amendments and Reauthorization Act (SARA). For additional information please contact Royal Mfg. Co. LP</td>
</tr>
<tr>
<td>EPA Registration Number:</td>
<td>Non-applicable</td>
</tr>
</tbody>
</table>
| California Prop. 65:   | Toluene < 7ppm  
|                        | Ethyl acrylate < 0.1ppm  
|                        | Benzene < 1.5ppb |
| 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 Rating](image)

<table>
<thead>
<tr>
<th>NFPA Rating</th>
<th>HMIS Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH</td>
<td>1</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
<td>1</td>
</tr>
<tr>
<td>REACTIVITY</td>
<td>0</td>
</tr>
<tr>
<td>PERSONAL PROTECTION</td>
<td>B</td>
</tr>
</tbody>
</table>

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.

**DISCLAIMER** This SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by N/A to be
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END OF SAFETY DATA SHEET