

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

Chemical Designation	% of Comp.	CAS No.
Zinc alkyldithiophosphate	< 0.4	Confidential
Butylated phenol	< 0.25	128-39-2
Aryl phosphite	< 0.04	101-02-0
Calcium sulfonate	< 0.04	Confidential
2-ethylhexanol	< 0.04	104-76-7
Substituted triazole	< 0.01	Confidential
Alkylated phenol	< 0.005	121158-58-5
Alkylated phenol	< 0.005	Confidential
Aryl thiophosphate	< 0.04	597-82-0

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 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) : 5mg/m³
Threshold Limit Values (TLVs): 10mg/m³

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:	Not Determined
Odor:	Petroleum	Lower Flammability/Explosive Limit:	Not Determined
Odor Threshold:	Not Determined	Vapor Pressure:	Not Determined
pH:	Not Determined	Vapor Density:	Not Determined
Melting Point C(F):	Not Determined	Vapor Temperature:	Not Determined
Freezing Point C(F):	Not Determined	Relative Density/Specific Gravity:	0.87
Pour Point C(F):	Dependant on specific grade	Solubility:	Not Water Soluble
Boiling Range:	N/D	Partition Coefficient:	Not Determined
Flash Point C(F):	>93.0°(>199.4°)	Auto-ignition temperature:	Not Determined
Flash Point Method used:	ASTM D92	Decomposition temperature:	Not Determined
Evaporation Rate:	Not Determined	Viscosity:	Dependant on specific grade
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

UN Number:

Proper Shipping Name: Royal Rozep EP 20K AW Hydraulic Oil

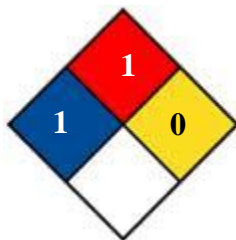
Pictograms:

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):	This product may contain chemical(s) regulated under the Superfund Amendments and Reauthorization Act (SARA). For additional information please contact Royal Mfg.Co.LP
EPA Registration Number:	Non-applicable
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



HMIS

Royal Rozep EP 20K AW Hydraulic Oils	
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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END OF SAFETY DATA SHEET

