

# SAFETY DATA SHEET

Date issued: 24-May-16

## High VI Motor Oil Non-Detergent SAE 30

### SECTION 1: PRODUCT IDENTIFICATION

<b>Product Name</b>	High VI Motor Oil Non-Detergent SAE 30
<b>Product Code #</b>	229C
<b>CAS #</b>	Not applicable for mixtures
<b>Manufacturer</b>	Royal Mfg Co, LP
<b>Synonym</b>	Not applicable
<b>Chemical Name</b>	Not applicable
<b>Chemical Formula</b>	Not applicable
<b>Trade Secret</b>	No
<b>Address</b>	516 S. 25th West Ave. Tulsa, OK 74127
<b>Phone</b>	(918) 584-2671
<b>Emergency Contact</b>	CHEMTREC (24 hour Emergency Telephone), call: 1-800-424-9300 International CHEMTREC, call: 1-800-255-3924
<b>Recommended Use</b>	N/A
<b>Restrictions on Use</b>	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 sensitization: Category 1  
 Aquatic Hazard – Acute: Category 3  
 Aquatic Hazard – Long-term: Category 4

**Pictograms:**



**Signal Word:** Warning

**Hazard Statements:** 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



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P404: Store in a closed container

**Percent of the mixture consisting of ingredient(s) of unknown toxicity:**

None

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Designation	% of Comp.	CAS No.
Zinc Alkyldithiophosphate	< 0.1%	84605-29-8
Butylated Phenol	< 0.1%	Confidential
Calcium Sulfonate	< 0.1%	61789-86-4
Aryl Phosphite	< 0.1%	101-02-0
2-Ethylhexanol	< 0.1%	104-76-7
Aryl Thiophosphate	< 0.1%	597-82-0
Alkylated phenol	< 0.1%	121158-58-5
Substituted Triazole	< 0.1%	Confidential

### 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 Exposure Limits (PELs) :** 5 mg/m<sup>3</sup>  
**Threshold Limit Values (TLVs):** 10 mg/m<sup>3</sup>

**Engineering Controls:**  
 N/A

**Personal Protective Equipment:**

**Face:**

**Eyes:** Safety Glasses

**Skin:** Gloves

**Respiratory:**

**Pictograms:**



## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Amber Liquid	<b>Upper Flammability/Explosive Limit:</b>	Not determined
<b>Odor:</b>	Petroleum	<b>Lower Flammability/Explosive Limit:</b>	Not determined
<b>Odor Threshold:</b>	Not determined	<b>Vapor Pressure:</b>	Not determined
<b>pH:</b>	Not determined	<b>Vapor Density:</b>	Not determined
<b>Melting Point °C (°F):</b>	Not determined	<b>Vapor Temperature °C (°F):</b>	Not determined
<b>Freezing Point °C (°F):</b>	Not determined	<b>Relative Density/Specific Gravity:</b>	0.8740
<b>Pour Point °C (°F):</b>	-18.0° (-0.4 °)	<b>Solubility:</b>	Not Water Soluble
<b>Boiling Range:</b>	N/A	<b>Partition Coefficient:</b>	Not determined
<b>Flash Point °C (°F):</b>	> 199.4° (93.0°)	<b>Auto-ignition temperature:</b>	Not determined
<b>Flash Point Method used:</b>	ASTM D92	<b>Decomposition temperature:</b>	Not determined
<b>Evaporation Rate:</b>	Not determined	<b>Viscosity (cSt):</b>	100.00 @ 40° C
<b>Flammability:</b>	None	<b>VOC Content:</b>	N/A
		<b>VOC Less Water &amp; Exempts:</b>	N/A

## 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**

**Description of effects from short- and long-term exposure:**

Not known

**Description of symptoms:**

Not known

**Measure of toxicity:**



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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 High VI Motor Oil

**Pictograms:**

## SECTION 15: REGULATORY INFORMATION

**OSHA Regulated Hazard:** No

**DOT Regulated:** No



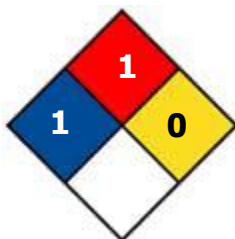
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<b>E C Classification:</b>	Non-applicable	
<b>TSCA Status:</b>	In compliance with TSCA inventory requirements for commercial purposes	
<b>SARA 312 Regulated Chemical(s):</b>	No	
<b>SARA 313 Regulated Chemical(s):</b>	Yes	
<b>EPA Registration Number:</b>	Non-applicable	
<b>California Prop. 65:</b>	Toluene	0.001550%
	Benzene	0.000000%
<b>PA Right to know Chemical(s):</b>	None known	
<b>NJ Right to know Chemical(s):</b>	None known	
<b>Additional State Regulations:</b>	None known	
<b>Canada:</b>	Non-applicable	

### SECTION 16: OTHER INFORMATION

#### NFPA



#### HMIS

<b>Hivi 30</b>	
<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>REACTIVITY</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>B</b>

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