

# SAFETY DATA SHEET

Date issued: 2-Nov-15

## GI-5 80W90

### SECTION 1: PRODUCT IDENTIFICATION

<b>Product Name</b>	GI-5 80W90
<b>Product Code #</b>	267
<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>	Gear Oil
<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

<b>Classifications:</b>	Aquatic Hazard – Acute: Category 3 Aquatic Hazard – Long-term: Category 4
<b>Pictograms:</b>	None
<b>Signal Word:</b>	None
<b>Hazard Statements:</b>	Harmful to aquatic life. May cause long lasting harmful effects to aquatic life.
<b>Precautionary Statements:</b>	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
<b>Percent of the mixture consisting of ingredient(s) of unknown toxicity:</b>	None

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Royal Mfg Co LP, P.O. Box 3308, Tulsa, OK 74101 | 918-584-2671 | [www.royalmfg.com](http://www.royalmfg.com) |

Product Code: 267

Revision Date: June 2015

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Chemical Designation	% of Comp.	CAS No.
Phosphoric Acid Esters, Amine Salt	< 1.0%	67763-14-8

### SECTION 4: FIRST AID MEASURES

<b>Eyes:</b>	Flush eyes with water for at least 15 minutes. If irritation persists, seek medical attention.
<b>Skin:</b>	Immediately remove contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes. Call a physician immediately.
<b>Inhalation:</b>	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.
<b>Ingestion:</b>	Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person.

### SECTION 5: FIRE FIGHTING MEASURES

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

### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	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.
<b>Spills / Leaks:</b>	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

<b>Handling:</b>	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.
<b>Storage:</b>	Store in a sealed container in a cool, dry environment.

### SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Exposure Limits:</b>	
<b>OSHA Permissible Exposure Limits (PELs) :</b>	5 mg/m <sup>3</sup>
<b>Threshold Limit Values (TLVs):</b>	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>	Dark 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>	0.8890
<b>Pour Point °C (°F):</b>	-50.0° (-58.0°)	<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>	14.00 @ 100° 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

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

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 contact may cause severe skin irritation and possible burns.

**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 GL-5 80W-90 Gear 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):** No

**EPA Registration Number:** Non-applicable

**California Prop. 65:**

Boric Acid	3.499853%
Toluene	0.024105%
Benzene	0.000009%

**PA Right to know Chemical(s):** None known

**NJ Right to know Chemical(s):** None known

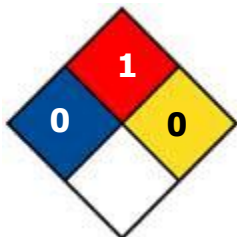
**Additional State Regulations:** None known

**Canada:** Non-applicable



**SECTION 16: OTHER INFORMATION**

**NFPA**



**HMIS**

<b>GI-5 80W90</b>	
<b>HEALTH</b>	<b>0</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>REACTIVITY</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>B</b>

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