



## **EPX 75W90 GL4 SYNTHETIC GEAR LUBRICANTS**

### **DESCRIPTION**

SPECTRA EPX 75W90 GL4 SYNTHETIC GEAR LUBRICANTS are blended from highly refined HYDRO CRACKED SYNTHETIC base oils which have been fortified with anti oxidant, anti corrosion, anti wear, anti foaming and mild extreme pressure additives. SPECTRA EPX 75W90 GL4 SYNTHETIC GEAR LUBRICANTS are high performance, multipurpose mild extreme pressure gear lubricants

### **Application**

Manual transmissions, transaxles, planetary hub & other spur gear axles which specifically require mild EP gear oils meeting API GL-4

### **Performance level (API GL4)**

Meets or exceeds:

- Multipurpose EP or hypoid gear oil
- MIL-2105
- MB 235.1 MB235.5
- MAN 34ML

### **Benefits**

- High performance, EP additive system controls transmission gear tooth wear, excellent load carrying capacity to protect gear equipment against surface stress under heavily loaded conditions
- GL-4 gear oils have been fortified with anti-wear, anti-oxidant, anti-foam, anti-corrosion and extreme pressure additives.

<b>TYPICAL PHYSICAL CHARACTERISTICS</b>	<b>EPX 75W90 GL4</b>
<b>Density @ 20°C KG/L</b>	<b>0.882</b>
<b>Viscosity Cst @ 40°C</b>	<b>77</b>
<b>Viscosity Cst @ 100°C</b>	<b>14</b>
<b>Viscosity index</b>	<b>185</b>
<b>Pour point °C (MAX)</b>	<b>-35</b>
<b>Flash point °C (MIN)</b>	<b>190</b>
<b>Sulfur, WT%</b>	<b>0.4</b>
<b>Phosphorus, WT%</b>	<b>.045</b>
<b>Nitrogen, WT%</b>	<b>0.03</b>
<b>Chlorine, PPM</b>	<b>&gt;0.5</b>



**MATERIAL SAFETY DATA SHEET**  
**SPECTRA EPX 75W90 GL4 SYNTHETIC GEAR LUBRICANTS**

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**1. PRODUCT AND COMPANY IDENTIFICATION**

Trade Name                      SPECTRA OIL CORPORATION  
Manufacturer/Supplier        SPECTRA OIL CORPORATION

**2. COMPOSITION/INFORMATION ON THE COMPONENTS**

**Hazardous Components in Product**

Component Name	Codes	Concentration	Risk phrases	Classification
Group III Synthetic oils	90.00	- 95.00		
Performance additives	2.00	- 5.00		

**3. HAZARD IDENTIFICATION**

Main Hazards 1910.1200	Not hazardous according to OSHA 29 CFR
Health Effects – Eyes	May cause irritation to the eyes.
Health Effects – Skin	No hazard providing normal cleansing is carried out.
Health Effects – Ingestion	No problems expected for minor ingestion. However, for amounts exceeding ½ liter give 1 or 2 glasses of water and call a doctor.
Health Effects – Inhalation	May cause irritation, dizziness or nausea if inhaled over a prolonged period, especially whilst hot.

#### **4. FIRST AID MEASURES**

First Aid – Eyes	Flush thoroughly with water. If irritation occurs, call a doctor.
First Aid – Skin	Wash skin with soap and water.
First Aid – Ingestion	Wash out mouth with water. Obtain medical attention. Do not induce vomiting.
First Aid – Inhalation	Remove from exposure and if the patient experiences irritation, nausea or unconsciousness, seek medical assistance.

#### **5. FIRE FIGHTING MEASURES**

Extinguishing Media	Use foam, dry chemical, carbon dioxide or water fog.
Unsuitable Extinguishing Media	Do not use water jet.
Special Hazards of Product	No special hazards.
Protective Equip, for Fire-Fighting	Wear self-contained breathing apparatus for fires in enclosed spaces.

#### **6. ACCIDENTAL RELEASE MEASURES**

Personal Precautions	Material can create slippery conditions underfoot.
Environmental Precautions	Try to prevent the material from entering drains or watercourses.
Spillages	Contain and absorb using diatomaceous earth or other inert material. Transfer into suitable containers for disposal.

#### **7. HANDLING AND STORAGE**

Handling	No special precautions are required.
Storage	Storage temperature should be controlled to between 1 and 40°C. Where outside storage of drums is unavoidable, they should be stored horizontally to avoid ingress of water.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Occupational Exposure Standards	
OIL MIST, CHEMICAL	UK EH40: OES 5mg/m <sup>3</sup> 8 h TWA. UK EH40: OES 10mg/m <sup>3</sup> 15 min TWA.
Engineering Control Measures	Exposure to this material may be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure. Use of the basic principles of industrial Hygiene will enable this material to be used safely.
Respiratory Protection	Respiratory protection is not normally required.
Hand Protection	No special protection needed. However, good personal hygiene practices should always be followed.
Eye Protection	Chemical goggles if there is a risk of eye contact.
Body Protection	Normal work wear.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State	Liquid
Colour	Amber
Odour	Faint
pH	N/A
Boiling Range/Point (°C)	Boils above 320°C
Flash Point (PMCC) (°C)	Exceeds 200 °C
Solubility in Water (kg/m <sup>3</sup> )	Insoluble
Density (kg/m <sup>3</sup> )	0.885 kg per litre
Auto-flammability (°C)	Above 350°C
Viscosity (cSt)	See technical data sheet

## **10. STABILITY AND REACTIVITY**

Stability	Stable under normal conditions
Conditions to Avoid	Strong oxidation
Materials to Avoid	Strong oxidizing agents
Hazardous Decomposition Products	Combustion will generate carbon monoxide and smoke, possibly thick and choking, resulting in zero visibility.

## **11.TOXICOLOGICAL INFORMATION**

Acute Toxicity	Low order of acute toxicity.

## **12.ECOLOGICAL INFORMATION**

Mobility	The product will leach into soil and will float on water.
Persistence/Degradability	The product is expected to biodegrade very slowly with time.

## **13.DISPOSAL**

Product Disposal	Dispose of in accordance with all applicable local and national regulations.
Container Disposal	An approved drum recycler can recycle containers.

## **14.TRANSPORT INFORMATION**

Un Class	Not classified
IMO Class	Not classified
IMDG Class	Not classified
IATA Class	Not classified

## **15.REGULATORY INFORMATION**

Labeling information	Irritant
Government Inventory Status	Not established.
US Superfund Amendments	This product contains no "Extremely Hazardous Substances"

## **16.OTHER INFORMATION**

MSDS First Issued	01 SEP 2009
MSDS Data Revised	01 SEP 2012
Product Use	Automotive gear lubricant.
To the best of our knowledge, the information contained herein is accurate. Although certain hazards may be described we cannot predict that these are the only hazards, or combination of hazards, that may exist in a workplace. This MSDS, therefore, forms a component only of a risk assessment carried out by, or on behalf of, the user.	