



# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT IDENTIFICATION AND USE

**Product Name:** Synthetic Gear Oil PG  
**Product Class:** Lubricant  
**WHMIS Classification:** Class D2B - Toxic Material

**Supplier Name and Address:** COASTAL Blending & Packaging  
P.O. Box 1169  
Saint John, N.B.  
E2L 4E6

**Phone:** 1 800-574-5823  
**Emergency:** (506) 648-3060

## SECTION 2 - HAZARDOUS INGREDIENTS OF MATERIALS

<u>Hazardous Ingredients</u>	<u>CAS#</u>	<u>wt%</u>	<u>ACGIH-TLV</u>	<u>LC<sub>50</sub></u>	<u>LD<sub>50</sub></u>
Polyalkylene glycol		> 95			48.7 g/kg-oral (rat) >20 g/kg-skin (rabbit)
Pana	90-30-2	< = 1 < = 3 %			
Additives		< 2 %			

## SECTION 3 - PHYSICAL DATA AND CHEMICAL PROPERTIES

<b>Form:</b>	Liquid	<b>Vapour Pressure (mm @ 20°C):</b>	< 0.10
<b>Colour:</b>	Amber	<b>Vapour Density (air=1):</b>	>1
<b>Odour:</b>	odourless	<b>Boiling Point (°C @ 760 mmHg):</b>	> 200 decomposes
<b>Specific Gravity @ 20°C:</b>	1.002	<b>Pour Point (°C):</b>	<-20
<b>Solubility:</b>	< 0.1% weight		
<b>Evaporation Rate (butyl acetate=1):</b>	0		

## SECTION 4 - FIRE AND EXPLOSION HAZARD

**Flammability:**  Yes  No  
**Flash Point :** 221°C (PMCC)

**Conditions:** Open flame above flash point.

<b>Upper Flammable Limit:</b>	Not established.	<b>Lower Flammable Limit:</b>	Not established.
<b>Auto Ignition Temperature:</b>	Not determined.	<b>TDG Flammability Classification:</b>	Not classified.
<b>Sensitivity to Impact:</b>	None.	<b>Sensitivity to Static Discharge:</b>	None.

**Means of Extinction:** Dry chemical, water spray (fog), foam or carbon dioxide.  
**Hazardous Combustion Products:** Oxides of carbon, nitrogen, and phosphorus.  
**Special Procedures:** Water foam may cause frothing. Use water to cool exposed containers. Use self-contained breathing apparatus for fire fighting.

## SECTION 5 - REACTIVITY DATA

**Stability:** This product is stable.  
**Hazardous Polymerisation:** Will not occur.  
**Conditions to avoid:** Do not mix with nitrites or other nitrosating agents because a nitrosamine may be formed. Nitrosamines may cause cancer.  
**Incompatibility with other substances:** Strong oxidising agents, strong acids and strong bases. Avoid materials reactive with Hydroxyl compounds.  
**Hazardous decomposition products:** Thermal decomposition from high temperature or combustion will produce oxides of carbon, nitrogen, and phosphorus.

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## SECTION 6 - TOXICOLOGICAL PROPERTIES

Route of Entry:  Eye  Skin Contact  Skin Absorption  Inhalation  Ingestion

**Effects of Acute Exposure:** Excess redness and swelling of the conjunctiva may occur. Exposure to this material may decrease the oxygen-carrying capacity of the blood. Individuals with cardiovascular disease or impairment of the respiratory function may be at increased risk. Exposure to vapours, aerosol or mist generated at high temperatures may result in eye and respiratory tract irritation, dizziness, nausea, and the inhalation of harmful amounts of material.

**Effects of Chronic Exposure:** No adverse effects anticipated from available information.

**Exposure Limits:** Not established.

**Reproductive Toxicity:** Not determined.

**Irritancy of Product:** Slight.

**Carcinogenicity:** Not determined.

**Teratogenicity:** Not determined.

**Mutagenicity:** Has been demonstrated in an in vitro assay system for one of this mixture's components.

## SECTION 7 - PREVENTATIVE AND CORRECTIVE MEASURES

**Personal Protective Equipment:**

<i>Gloves:</i>	Oil/Chemical resistant.
<i>Eye:</i>	Chemical safety glasses or full face shield.
<i>Respiratory:</i>	NOISH respirator if mist levels are high.
<i>Footwear:</i>	Oil/Chemical resistant.
<i>Clothing:</i>	Oil/Chemical resistant if repeated exposure to skin and clothing occurs.
<i>Other:</i>	

**Engineering Controls:** Local exhaust at source of heated vapours.

**Leak and Spill Procedure:** Contain spills with dikes or absorbent material. Eliminate fire hazards. Prevent from entering sewers or water courses. Vacuum liquid or transfer absorbed material into containers. Advise authorities.

**Waste Disposal:** Follow local and governmental regulations. Not regulated as a hazardous waste.

**Storage Requirements:** Cool, dry location. Keep containers closed.

**Special Shipping Information:** No special requirements.

## SECTION 8 - FIRST AID MEASURES

**Inhalation:** Remove to fresh air.

**Ingestion:** No emergency care anticipated.

**Eye:** Flush with water for 15 minutes. Remove contact lenses if worn. Obtain medical attention.

**Skin:** Wash contaminated area with soap and water. Clean contaminated clothing before wearing again.

**General Advice:** Notes to Physician - There is no specific antidote. Treatment of exposure should be directed at the control of symptoms and clinical condition of the patient.

## SECTION 9 - PREPARATION DATE OF MSDS

**MSDS Prepared by:**  
**MSDS Date:** January 11, 2010  
**Revision** 02

COASTAL Blending & Packaging

**Phone:**

800-574-5823