



PETROCHEM, INC.

SPECIALTY LUBRICANTS

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MATERIAL SAFETY DATA SHEET

GEARSYN FG SERIES SYNTHETIC FOOD GRADE GEAR LUBRICANTS

GearSyn Lubricants are suitable for applications in which incidental contact with the product may occur and comply with USDA H-1 and Title 21 CFR Section 178.350 FDA requirements.

I. PRODUCT IDENTIFICATION	
Trade Name:	GearSyn FG-150, FG-220, FG-320, FG-460, FG-680
Chief Constituent:	Synthetic Hydrocarbon
Formulation:	95% Synthetic PAO/ 5% Proprietary Additive Blend
Hazardous Ingredients/OSHA:	None
Carcinogenic Ingredients/OSHA/NTP/IARC:	None
Ingredients Regulated by SARA Title 3, Section 313:	None
Shipping Information:	NOT-RESTRICTED – Class 65 NON-HAZARDOUS
Date Prepared: 01/04/02; Updated Review: 09/04/06	

II. WARNING STATEMENTS
None

III. PHYSICAL AND CHEMICAL DATA	
Appearance and Odor:	Bright & Clear, Mild Odor
Specific Gravity:	< 1.0
Boiling Point:	> 600°F
Vapor Pressure:	Not determined

IV. FIRE PROTECTION	
Flash Point:	> 500°F
Extinguishing Media:	Water spray, dry chemical, foam or CO ₂
Special Firefighting Procedure:	Burning will produce toxic fumes. Wear self-contained breathing apparatus and full turn out gear to fight fire.
Unusual Fire Hazard:	Exposure to heat builds up pressure in closed containers. Cool with water spray.

V. REACTIVITY DATA	
Thermal Stability:	Stable
Materials to Avoid:	Strong oxidizers
Hazardous Polymerization:	Will not occur
Hazardous Decomposition Products:	Burning will produce toxic fumes

VI. PHYSIOLOGICAL EFFECTS SUMMARY	
ACUTE:	
Eyes:	Believed to be minimally irritating
Skin:	Believed to be minimally irritating
Respiratory System:	Believed to be minimally irritating
CHRONIC:	Not determined
OTHER:	None

VII. HEALTH HAZARD DATA	
Exposure Limits:	Not applicable
Effects of Overexposure:	Low oral and dermal toxicity. Prolonged or repeated exposure may cause irritation, nausea, and vomiting.

VIII. PRECAUTIONS FOR SAFE HANDLING

For general personal hygiene, wash hands thoroughly after handling material. Avoid contact with skin and eyes.

IX. PROTECTION AND CONTROL MEASURES

Protective Equipment: Impermeable gloves, splash goggles, eye wash and safety shower.
 Respiratory Protection: If overheated, use approved respiratory protective equipment.
 Ventilation: Local exhaust and mechanical recommended.

X. EMERGENCY AND FIRST AID PROCEDURES

Eye Contact: Flush eyes with water for 15 minutes. Call a physician if irritation develops.
 Skin Contact: Wash skin with soap and water.
 Inhalation: Remove to fresh air. Give artificial respiration or oxygen if necessary.
 Ingestion: First Aid not normally required. If uncomfortable, call physician.

XI. NOTES

	HAZARD RATING INFORMATION			KEY	
	NPCA/HMIS	NFPA			
Health	1	1	4 = Severe	1 = Slight	
Flammability	1	1	3 = Serious	0 = Minimal	
Reactivity	0	0	2 = Moderate		

XII. SPILL AND DISPOSAL PROCEDURES (Transportation Spills call: CHEMTREC (800) 424-9300)

Environmental Impact: Report spills as required to appropriate authorities. U. S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard Toll Free Number (800) 424-8802. In case of accident or road spill, notify Chemtrec (800) 424-9300.

Procedures if Material is Released or Spilled: Absorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

Waste Management: Dispose of according to Federal, State and Local regulations.

Toxic Substance Inventory Control Act: All components are included on the TSCA Inventory and are in compliance with the TSCA.

XIII. FOR ADDITIONAL INFORMATION CONTACT:

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