



MATERIAL SAFETY DATA SHEET

Rev.7/12

FOODSAFE SEMI-SYNTHETIC GEAR FG SERIES

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name:	FOODSAFE SEMI-SYNTHETIC HYDRAULIC FG SERIES
Chemical Family:	Lubricating Oil
Part Numbers:	FOODSAFE GEAR FG-150 & FOODSAFE GEAR FG-220 FOODSAFE GEAR FG-320 & FOODSAFE GEAR FG-460
Molecular Weight	Variable
Company:	PETROCHEM, INC. 6N999 Whispering Trail St. Charles, IL 60175 Phone: (630) 513-6350 Fax: (630) 513-8324
In case of emergency:	CHEMTREC: (800) 424.9300

2. OSHA HAZARDOUS INGREDIENTS

Ingredient	TLV	PEL
Mineral Oil:	N/Ap	N/Ap
Aluminum Complex Soap:	N/Ap	N/Ap
Mineral Oil:	5 mg/m3	5 mg/m3
Zinc Compound:	N/Ap	N/Ap

3. HAZARDS IDENTIFICATION

Eye Contact:	May cause mild irritation upon immediate contact.
Skin Contact:	Prolonged or repeated contact may cause the removal of skin oils, possibly leading to irritation or dermatitis.
Inhalation:	Vapor inhalation under ambient conditions will not occur. The inhalation of vapors (generated at extremely high temperature only) or mist may cause a mild irritation of the mucous membranes of the upper respiratory tract. Harmful concentrations of mists and/or vapors are unlikely to occur through reasonable and customary use of this product.
Ingestion:	No acute or chronic effects expected. However, minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury.

4. EMERGENCY AND FIRST AID PROCEDURES

After contact with eyes:	Flush eyes with plenty of water for 15 minutes. If irritation persists, or if an infection develops, seek medical attention.
After contact with skin:	Wash off with soap and plenty of water. Apply skin cream if necessary. Seek medical attention if irritation or infection occurs. Remove contaminated clothing and wash before reuse.
After Inhalation:	If overcome by product vapor heated to extreme temperatures, immediately move from exposure and get medical attention. If breathing is irregular, start resuscitation or administer oxygen if available. If overexposed to mist, remove from further exposure until excessive mist condition subsides.

Petrochem, Inc.

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Member of the American Baking Society

After Ingestion:	Do not induce vomiting. Get medical attention. Drink 1 or 2 glasses of water.
Advice to doctor:	Treat symptomatically.

5. EXPOSURE CONTROLS

Eye Protection:	Wear safety goggles if splashes may occur. Do not wear contact lenses when using chemicals.
Hand Protection:	Wear chemical resistant gloves.
Body Protection:	Wear clean, body-covering clothing to minimize dermal exposure.
Ventilation:	Under normal conditions of use, no special ventilation is required; however, if vaporized or misted, use local exhaust if possible.
Respiratory Protection:	No special respiratory protection is required. However, if product is overheated beyond conditions of normal use, or misted, wear the appropriate NIOSH-approved respiratory protection.
Other Protection Measures:	Safety showers, eye wash fountains, and washing facilities should be readily available.

6. FIRE FIGHTING MEASURES

Flash Point & Method:	445°F (COC)
Lower Explosion Limit:	N/Av
Upper Explosion Limit:	N/Av
Extinguishing Media:	Water spray, foam, dry powder, carbon dioxide (CO2)
Unusual Fire and Explosion Hazards:	Empty metal containers retain product residue. Do not pressurize, cut, weld, drill, solder or expose container to heat, flame, sparks, or other sources of ignition: it may explode, causing serious injury or death. Exposure to heat builds up pressure in container. Cool with water spray.
Special Fire Fighting Procedures:	If leak or spill has not ignited, use water spray to disperse any vapor and to flush spills away from ignition sources. Use self-contained breathing apparatus for enclosed or confined spaces or as otherwise needed. Do not use direct stream of water, material may float and re-ignite.

7. ACCIDENTAL RELEASE MEASURES

If product leaks or is inadvertently spilled, eliminate ignition sources and isolate surrounding spill area with the proper containment system to prevent the spill from reaching waterways. Add absorbent and soak up the product. Collect product and absorbent, place in a chemical waste container for proper disposal.

8. HANDLING AND STORAGE

Avoid contact with skin and remove soiled or soaked clothing. Wash hands with soap and water before eating drinking and/or smoking. Clean skin thoroughly after work and if necessary, apply skin cream.

- Store product under normal temperature and pressure.
- Store product away from heat sources and food products.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	Liquid
Color:	Light-Yellow
Odor:	Mild Hydrocarbon-like
Boiling Point:	N/Av
Vapor Pressure (mm Hg.):	N/Av
Vapor Density (Air = 1):	N/Av
Solubility in Water:	Insoluble
Specific Gravity (H2O = 1):	N/Av
Evaporation Rate (Ether = 1):	N/Av

10. STABILITY AND REACTIVITY

Stability	Stable
Conditions to avoid:	Open flames and other sources of heat
Materials to avoid:	Strong oxidizing agents such as pure oxygen
Hazardous decomposition products:	Fumes, smoke, carbon monoxide and carbon dioxide
Hazardous polymerization:	Will not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	N/Av for this product
Chronic Toxicity:	N/Av for this product

12. DISPOSAL CONSIDERATIONS

Waste from residues/unused products:	In accordance with local and national regulations.
Contaminated packaging:	Empty containers should be taken for local recycling, recovery or waste disposal.

13. TRANSPORTATION INFORMATION:

Proper Shipping Name	Hazard Class or Division	UN ID	Packing Group
N/Av			

14. REGULATORY INFORMATION

All product components comply with all applicable rules and orders under the Toxic Substance Control Act (TSCA). The Zinc Compound (~1) in this product is a SARA Title III Section 313 chemical.

15. HAZARD RATING INFORMATION

	HMIS	KEY
Health	1	0 = Minimal
Flammability	1	1 = Slight
Reactivity	0	2 = Moderate
Other	B	3 = Serious
		4 = Severe

Unk. = Unknown N/Av = Not Applicable N/Av = Not Available ~ = Approximately

FOR ADDITIONAL INFORMATION CONTACT:

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