



SAFETY DATA SHEET

FOODSAFE GEAR FG-460

SEMI-SYNTHETIC FOOD GRADE GEAR LUBRICANT

1. PRODUCT IDENTIFICATION

Product Name/Identifier:	FOODSAFE GEAR FG-460
Other means of identification	FOODSAFE GEAR FG-460
Recommended use of the chemical	Lubricant
Uses advised against	No information available
Details of the supplier of the safety data sheet	Petrochem, Inc. 333 North Randall Road Saint Charles, IL 60174 Phone: (630) 513-6350 Fax: (630) 513-8324 Email: info@petrochem1.com www.petrochem1.com
Emergency telephone number	CHEMTREC: 1-800-424-9300; INTERNATIONAL (703) 527-3887
Date Prepared:	02/24/2015
Updated Review:	06/01/2025 Rev. 5

2. HAZARDS IDENTIFICATION

Classification	
OSHA Regulatory Status	This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
	Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)
EMERGENCY OVERVIEW:	
Label Elements	This product contains no substances which at their given concentration, are considered to be hazardous to health
Appearance	Oil
Physical state	Liquid
Odor	Mild Hydrocarbon like
Hazardous not otherwise classified	(HNOC)
Other information	None

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product contains no substances which at their given concentration, are considered to be hazardous to health.

4. FIRST AID MEASURES

First aid measures	
Eye contact:	Flush eye with water for 15 minutes. If symptoms persist, call a physician.
Skin contact:	Wash off immediately with soap and plenty of water.
Inhalation:	In the case of inhalation of aerosol/mist consult a physician if necessary. Move to fresh air.

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Member of the American Baking Society

Ingestion:	Do not induce vomiting. Drink 1 or 2 glasses of water. Consult a physician if necessary.
Most important symptoms and effects, both acute and delayed	
Symptoms	No information available.
Indication of any immediate medical attention and special treatment needed	

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Carbon dioxide (CO ₂). Dry chemical. Foam. Water spray.
Unsuitable Extinguishing media	Do not use a solid water stream as it may scatter and spread fire.
Specific hazards arising from the chemical	In the event of fire, cool tanks with water spray.
Explosion data	
Sensitivity to Mechanical Impact	None
Sensitivity to Static Discharge	None
Special protective equipment for firefighters	Standard procedure for chemical fires. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	
Personal precautions:	Use personal protective equipment. Contaminated surfaces will be extremely slippery.
Environmental precautions	
Environmental precautions	Do not flush into surface water or sanitary sewer system. Should not be released into the environment.
Methods and material for containment and cleaning up	Prevent further leakage or spillage if safe to do so.
Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

7. HANDLING AND STORAGE

Precautions for safe handling	
Handling	Contaminated surfaces will be extremely slippery. Use personal protective equipment. Remove all sources of ignition.
Conditions for safe storage, including any incompatibilities	
Storage Conditions	Keep containers dry and tightly closed to avoid moisture absorption and contamination.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters	
Exposure Guidelines	Contains mineral oil, vegetable oil, and/or synthetic oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg/m ³ , ACGIH STEL of 10 mg/m ³ .
Appropriate engineering controls	
Engineering measures to reduce exposure	Ensure adequate ventilation, especially in confined areas.
Individual protection measures, such as personal protective equipment	

Respiratory protection:	Breathing apparatus needed only when aerosol or mist is formed.
Hand protection:	Nitrile rubber
Eye protection:	Usual safety precautions while handling the product will provide adequate protection against this potential effect
Skin and body protection:	Usual safety precautions while handling the product will provide adequate protection against this potential effect
General Hygiene Considerations:	Avoid contact with skin, eyes and clothing. Wash off with soap and water. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Oil
Odor	Mild Hydrocarbon like
Color	Light yellow
Odor threshold	No information available

Property	Values
pH	Not applicable
Melting point/freezing point	No information available
Boiling pint	No information available
Flash point (Cleveland Open Cup)	> 204 ° C / 400 ° F
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Upper/lower flammability or explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Specific Gravity	< 0.9
Water solubility	Insoluble in water
Solubility in other solvents	No information available
Partition coefficient: n-octanol/water	No information available

Property	Values
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity cSt@ 40°C	458
Dynamic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available
Other information	
Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Density	No information available
Bulk density	No information available

10. STABILITY AND REACTIVITY

Reactivity	Not applicable
Chemical stability	
Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	
Possibility of Hazardous Reactions	None under normal processing.
Hazardous polymerization	Hazardous polymerization does not occur.
Conditions to avoid	No special storage conditions required.
Hazardous Decomposition Products	None reasonably foreseeable
Incompatible materials	Oxidizing agents

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	
Product Information:	Product does not present an acute toxicity hazard based on known or supplied information.
Eye Contact	May cause slight irritation.
Skin contact	Substance does not generally irritate and is only mildly irritating to the skin.
Inhalation	Avoid breathing vapors or mists.
Ingestion	No known effect.
Information on toxicological effects	
Delayed and immediate effects as well as chronic effects from short and long-term exposure	
Sensitization	No sensitization responses were observed.
Mutagenic effects	Did not show mutagenic or teratogenic effects in animal experiments.
Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
Reproductive toxicity	This product does not contain any known or suspected reproductive hazards.
STOT – Single Exposure	None under normal use conditions.
STOT – Repeated Exposure	None under normal use conditions.
Aspiration hazard	Not applicable.
Numerical measures of toxicity	
The following values are calculated based on chapter 3.1 of the GHS document	
ATEmix (oral)	6434 mg/kg
ATEmix (dermal)	2534 mg/kg
ATEmix (inhalation-vapor)	20000 mg/l

12. Ecological Information

Ecotoxicity	No known hazards to the aquatic environment. 0.001% of the mixture consists of components (s) of unknown hazards to the aquatic environment
Persistence and degradability	No information available
Bioaccumulation	No information available
Mobility	The product is insoluble and floats on water.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods	
Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Do not reuse container.

14. TRANSPORT INFORMATION

DOT	Not Regulated by any means of transportation.
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15. REGULATORY INFORMATION

International Inventories:	
TSCA	Listed in TSCA
DSL	All of the components in this product are listed in DSL

EINECS/ELINCS	This product complies with EINECS/ELINCS
CHINA	This product complies with China IECSC
KECL	This product complies with Korea KECL
PICCS	This product complies with Philippines PICCS
AICS	All of the constituents of this material are listed on the Australian AICS
Legend:	
TSCA	Listed in TSCA
DSL	All the components in this product are listed in DSL
EINECS/ELINCS	This product complies with EINECS/ELINCS
CHINA	This product complies with China IECSC
KECL	This product complies with Korea IECSC
PICCS	This product complies with Philippines PICCS
AICS	All the constituents of this material are listed on the Australian AICS

Federal Regulations:	
SARA 313	Section 313 of the Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Feral Regulations, Part 372.
SARA 311/312 Hazard Categories:	
Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No
CWA (Clean Water Act)	This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 112.21 and 40 CFR 122.42).
CERCLA	This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

State Regulations (RTK)	
California Proposition 65	This product does not contain any Proposition 65 chemicals.
U.S. State Right-to-Know Regulations:	
U.S. EPA Label Information	
EPA Pesticide Registration Number	Not applicable

16. OTHER INFORMATION

HAZARD RATING INFORMATION

	NFPA	HMIS/NPCA	KEY 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe
Health	1	1	
Flammability	1	1	
Instability	0	-	
Physical hazards	-	0	
Personal protection	-	B	

Issue Date	02/ 24/ 2015
Revision Date	06/01/2025 Rev. 5
Revision Notes	Not applicable

DISCLAIMER

THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET IS CORRECT TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF AT THE DATE OF ITS PUBLICATION. THE INFORMATION GIVEN IS DESIGNED ONLY AS A GUIDANCE FOR SAFE HANDLING, USE, PROCESSING, STORAGE, TRANSPORTATION, DISPOSAL AND RELEASE AND IS NOT TO BE CONSIDERED A WARRANTY OR QUALITY SPECIFICATION. THE INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS, UNLESS SPECIFIED IN THE TEXT.

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End of Safety Data Sheet