



SAFETY DATA SHEET

FOODSAFE® SYNGEL FG-750

NSF H-1 FOOD GRADE SYNTHETIC HIGH TEMPERATURE GREASE FORTIFIED WITH PFPE INORGANIC THICKNER

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	FOODSAFE® SYNGEL FG-750
Trade name:	FOODSAFE® SYNGEL FG-750
Supplier contact information:	PETROCHEM, INC. 333 North Randall Road St. Charles, IL 60174 Tel: 630-513-6360 Fax: 630-513-8324 Email: info@petrochem1.com www.petrochem1.com
Emergency Contact Information:	CHEMTREC (800)-424-9300 International (703) 527-3887
Chemical Family / Use:	Synthetic Lubricating Grease
Date Prepared:	03/26/2015
Revision Date/Version:	06/01/2025 Rev. 5

2. HAZARDS IDENTIFICATION

2.1 GHS Classification of the substance or mixture	Not classified as hazardous.
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)
2.2. GHS Label Elements:	
Hazard Pictograms:	None
Signal Word:	None
Hazard Statements:	None
Precautionary Statements:	P260 Do not breathe dust, mist, or vapors. P281 Use personal protective equipment as required. P314 Get medical attention if you feel unwell. P411 Store at temperatures not exceeding 150°C. P402 + P404 Store in a dry place, in a closed container. P501 Dispose of content and container according to local and national regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	Weight %
Synthetic hydrocarbon grease	N/A	> 95%
Polytetrafluoroethylene	9002-84-0	<5%

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Member of the American Baking Society

4. FIRST AID MEASURES

4.1 General Information	
<i>Ingestion:</i>	Give 3-4 glasses of water, but do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical advice.
<i>Injection:</i>	Consult physician immediately.
<i>Skin:</i>	Wash with soap and water. Remove any contaminated clothing and wash with soap and warm water. Get medical attention if symptoms occur.
<i>Inhalation:</i>	Move to fresh air and refer to a physician for treatment.
<i>Eyes:</i>	Flush immediately with large amounts of water for 15 minutes. If irritation occurs, call a physician
<i>Other:</i>	Exercise ordinary measures of personal hygiene.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media:	Dry chemical, carbon dioxide, foam, steam or water fog, agents approved for Class B hazards.
5.2 Unusual Fire or Explosion Hazards:	Dense smoke can form in a fire. In a fire, decomposition of fluorinated compounds can generate hydrogen fluoride and carbonyl fluoride. Do not store or mix with strong oxidizers. Empty containers contain residue. Do not cut, drill, grind, or weld as they may explode.
5.3 Special Fire-Fighting Measures:	Avoid smoke inhalation. Water or foam may cause frothing. Cool exposed containers with water. Use air supplied rescue equipment for enclosed areas.

6. ACCIDENTAL RELEASE MEASURES

6.1 Spill or Leak Procedures:	Wipe or scrape up spillage and place it in a container for disposal. Product may be absorbed with an inert material such as sand, soil, or vermiculite. Wash walking surfaces thoroughly with detergent and water to reduce slipping hazard. Keep petroleum products out of sewers and water courses. Advise authorities if product has or may enter sewers or water courses.
6.2 Waste Management and Disposal:	Assure conformity with applicable regulations. Consult local, state and federal regulations applicable to your area.

7. HANDLING AND STORAGE

7.1 Handling	Avoid contact with skin and eyes. Enforce No Smoking in areas where fluoropolymers are handled or stored. Use with adequate ventilation. Avoid breathing if this material is atomized in a mist.
7.2 General Hygiene advice:	Laundry contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.
7.3. Storage:	Keep container closed and in a dry, well-ventilated place. Temperatures exceeding 150°C can evolve fumes. Temperatures exceeding 60°C can result in undesirable (not dangerous) interactions with a polyethylene drum liner.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
Exposure Guidelines:	Particulates Not Otherwise Regulated (PNOR)
OSHA PEL:	15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Particulate)
ACGIH TLV:	ACGIH TLV: 10 mg/m3 (Inhalable Particulate)

8.2 Exposure Controls	Control airborne concentrations below the exposure guidelines. Provide local exhaust or general room ventilation to minimize vapor concentrations. Provide emergency eye wash fountains and safety showers.
<i>Eye:</i>	Wear protective goggles or face shield if splashing is possible.
<i>Skin:</i>	Wear protective gloves/clothing
<i>Inhalation:</i>	Respirator not required unless mist, smoke or vapors are produced at high temperatures.
<i>Environmental controls:</i>	Avoid release to the environment. Notify authorities if product enters sewers or public waters.
<i>Other:</i>	Use oil resistant apron, if needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Solid, liquid can evolve under certain conditions
Appearance	Grease Like
Odor	None
Color	Off White
Odor threshold	No information available

Property	Values
pH	Not applicable
Melting point/freezing point	Non-melting
Boiling point	>200°C
Flash point (Cleveland Open Cup)	>260°C (500 °F)
Evaporation rate	Negligible
Flammability (solid, gas)	No information available
Upper/lower flammability or explosive limits	No information available
Vapor pressure	Negligible
Vapor density	No information available
Relative density	No information available
Specific Gravity	0.85 - 0.90 @ 25°C/25°C (77°F)
Water solubility (20°C)	Negligible in water (below 0.1%); soluble in hydrocarbons
Solubility in other solvents	No information available

Property	Values
Auto ignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity cSt @ 40°C	460 (Semi-Solid)
Dynamic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available
Partition coefficient: n-octanol/water	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

10.1 Reactivity	Stable
10.2 Chemical Stability	Generally stable
10.3 Incompatible materials	Avoid contact with strong oxidants, such as liquid chlorine and concentrated oxygen
10.4 Hazardous decomposition products	Burning may produce carbon monoxide, carbon dioxide, hydrogen fluoride, carbonyl fluoride and other fumes.
10.5 Hazardous polymerization	Will not occur
10.6 Other	Avoid contact with strong oxidants, such as liquid chlorine and concentrated oxygen

11. TOXICOLOGICAL INFORMATION

11.1 Synthetic hydrocarbon grease:	LD50 > 2000 mg/kg (per additivity formula)
11.2 Polytetrafluoroethylene:	Acute Oral LD50 (rat) >11,280 mg/kg
	Inhalation: Thermal decomposition (above 300°C) can cause polymer fume fever with flu-like symptoms in humans. Skin: Irritation (rabbit): No skin irritation. (human) No skin irritation. Sensitization: (human): Does not cause skin sensitization. Repeated dose toxicity, oral (rat): No toxicologically significant effects were found. Mutagenicity: Tests on bacterial and mammalian cell cultures did not show mutagenic effects. Carcinogenicity: Not classifiable as a human carcinogen. Reproductive Toxicity: No toxicity to reproduction. STOT single exposure: Not classified STOT repeated exposure: Not classified Aspiration hazard: Not classified

12. ECOLOGICAL INFORMATION

12.1 Synthetic hydrocarbon grease:	No data available. Not expected to be toxic
12.2 Polytetrafluoroethylene:	Polymer, not expected to produce toxic effects.

13. DISPOSAL INFORMATION

13.1 Waste treatment methods	According to RCRA (40 CFR 261), this material is not hazardous waste when the as received lubricant is discarded. Dispose of in accordance with all local, state, provincial, and federal regulations.
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14. TRANSPORT INFORMATION

14.1 General Information	Not regulated by U.S. DOT, Canadian TODG, IMO/IMDG, ICAO/IATA, ADR/RID DOT (49 CFR 171.101): Not hazardous IMDG (ocean): Not hazardous IATA (air): Not hazardous
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15. REGULATORY INFORMATION

15.1. <u>Safety, health and environmental regulations/legislation specific for the substance or mixture</u>	Contents of this MSDS comply with OSHA HAZARD Communication Standard 29 CFR 1910.1200.
EPA SARA Title III Chemical Listing:	This product contains no extremely hazardous or hazardous substances
CERCLA Hazardous Substances	None
TSCA Status	All chemical substances listed are included or exempt from listing on TSCA.
FOOD CONTACT STATUS	Compliant
FDA 21 CFR 178.3570:	Compliant
USDA: H1 Status	Compliant
California Proposition 65:	NONE: This product does not contain detectable amounts of any chemical known to the State of California to cause cancer; nor birth defects or other productive harm.
15.2 Chemical Safety Assessment	No information available.

16. OTHER INFORMATION

Issue Date: 04/14/2015

Revision Date: 06/01/2025

Version: 5

Revision Note: Not applicable

General Disclaimer

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