



SAFETY DATA SHEET

FOODSAFE® PETRO-GARD® FG-220

ISO 220 H1 FOODSAFE SYNTHETIC HIGH TEMPERATURE OVEN CHAIN LUBRICANT
NSF H-1 FOOD GRADE

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	FOODSAFE® Petro-Gard® FG-220
Synonym(s):	Stabilized Dipentaerythritol Esters
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
Emergency Contact Information:	CHEMTREC (800)-424-9300 International (703) 527-3887
Chemical Family / Use:	Food Grade High Temperature Oven Chain Lubricant
Date Prepared:	01/12/2015
Revision Date/Version:	06/01/2025 Rev. 5

2. HAZARDS IDENTIFICATION

2.1 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. Label Elements:

Not classified as hazardous.

2.3 Other information:

No other information available.

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

Ingestion:	If swallowed, observe victim for 24 hours; seek medical attention if indicated. If vomiting occurs, keep head lower than hops to prevent aspiration.
Skin:	For skin contact, wipe away excess material with dry towel. Then wash affected areas with plenty of water, and mild soap if available, for several minutes. Get medical attention if irritation occurs.

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Member of the American Baking Society

Inhalation:	If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.
Eyes:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
Notes to Physician:	Treatment based on sound judgment of physician and individual reactions of patients.

5. FIRE FIGHTING MEASURES

Flash Point & Method:	>315 °C (COC) 600°F
Flammable Limits in Air – Upper (%):	Maximum % by volume of vapor in air above which propagation of flame does not occur on contact with a source of ignition: N/D
Sensitivity to Mechanical Impact (Y/N):	No
Sensitivity to Static Discharge (Y/N):	Sensitivity to static discharge is not expected.
Extinguishing Media:	Water fog, carbon dioxide, foam, dry chemical

Special Firefighting Procedures:	Containers can build up pressure if exposed to heat (fire). Fire involving large amounts of material should not be approached because individual containers may rupture abruptly causing "fireball" effect. Fire fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Use water spray to cool nearby containers and structures exposed to fire.
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6. ACCIDENTAL RELEASE MEASURES

Action to be taken if material is released:	Wipe, scrape or soak up in an inert material and put in a container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear proper protective equipment as specified in the protective equipment section. Large quantity spills should be contained and pumped into drums for recovery or disposal.
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7. HANDLING AND STORAGE

Precautions to be taken in handling and storage:	Keep container closed when not in use. Good hygienic practices should be observed. Work clothes should be washed separately at the end of each workday. Disposable clothing should be discarded with material. For food, plant, and other industrial use only. Do not add directly to food.
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	HMIS	KEY
Health	1	0 = Minimal
Flammability	1	1 = Slight
Reactivity	0	2 = Moderate
Other	B	3 = Serious
		4 = Severe

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	None required under normal conditions
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Personal Protective Equipment

Respiratory Protection:	None required under normal conditions.
Protective Gloves:	Use gloves as a standard industrial handling procedure.
Eye and Face Protection:	Wear safety glasses or goggles to protect against exposure.
Other Protection Equipment:	None required.
Ventilation:	No usual ventilation required.

Exposure Guidelines

Chemical Name	CAS	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-STEL	Units
Stabilized Dipentaerythritol Esters	67762-52-1	None	None	None	None	Ppm
Additives	Mixture	None	None	None	None	Ppm

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Appearance	Oil
Odor	Mild
Color	Clear, Yellow-Amber
Odor threshold	No information available

Property	Values
pH	Not applicable
Melting point/freezing point	< -30° C
Boiling point	N/A
Flash point (Cleveland Open Cup)	>315°C (COC) 600°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	< 1.0
Water solubility (20°C)	Insoluble in water
Solubility in other solvents	No information available

Property	Values
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity cSt @ 40°C	220
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	8.12 @ 25°C
Bulk density	No information available

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur
Hazardous Thermal Decomposition / Combustion Products:	No unusual decomposition products known
Incompatibility (Materials to Avoid):	None known
Conditions to Avoid:	None known

11. TOXICOLOGICAL INFORMATION

Acute oral Toxicity LD50:	LD50 greater than 5,000 mg/kg body weight (RATS) (2)
Skin Irritation:	Not Available
Eye Contact:	Based on the review of component data available in public domain, studies indicate the components are minimally irritating.
Sensitization:	Not Available

1 - Based on product test data available in public domain.

2 - Based on test data from a similar product.

3 - Based on test data from similar products, extrapolation from tests on similar materials, review of component data, or a combination of these sources.

12. ECOLOGICAL INFORMATION

Ecotoxicological Information:	WGK rating: 1 (Based on data available in public domain)
Chemical Fate Information:	No data at this time.

1 - Based on product test data available in public domain.

2 - Based on test data from a similar product.

3 - Based on test data from similar products, extrapolation from tests on similar materials, review of component data, or a combination of these sources.

13. DISPOSAL CONSIDERATIONS

Disposal Method:	As local regulations may vary; all waste must be disposed/recycled/reclaimed in accordance with federal, state, and local environmental control regulations.
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14. TRANSPORT INFORMATION

Department of Transportation Information

Shipping Name:	Non-regulated
Hazard Class:	Non-regulated
Label(s):	None
UN/NA Number:	None
Placards:	None

International Transportation Classification

IATA, International Air Transportation:	Not Available
IMDG, International Maritime Dangerous Goods:	None

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

All of the components in the product are on the following Inventory lists:

TSCA Inventory Status:	All components of this product are listed on the TSCA chemical inventory.
EA REACH	Pre-registered
DSL/NDSL	Complies
AICS	Complies
China	Complies
Korean (ECL) Inventory Status:	Listed on SCL
Japanese (MITI) Inventory Status:	Not Available
Philippines (PICCS) Inventory Status:	All components are listed on PICCS
EINECS Inventory Status:	All components are listed on EINECS

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

Federal Regulations:

SARA Section 302:	None found
SARA (311, 312) Hazard Class:	None
SARA (313) Chemicals:	THIS PRODUCT DOES NOT CONTAIN A TOXIC CHEMICAL FOR ROUTINE ANNUAL 'TOXIC CHEMICAL RELEASE REPORTING' UNDER SECTION 313 (40 CFR 372)
CERCLA Hazardous Substance:	Not a listed EHS
CERCLA Reportable Quantity:	No listed reportable quantity
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.

EXPORT

SCHDLE B/HTSUS: (Tariff Classification #):	3403990000
ECCN (Export Commodity Control Number):	EAR99
WHMIS Hazard Class:	Not Available
WHMIS Trade Secret:	All components listed on EINECS

EC Labeling Requirements

EC Required Symbol(s):	None Required
EC Safety Phrases:	Not Available
EC Risk Phrases:	All Available

15.2 Chemical Safety Assessment

No information available

16. OTHER INFORMATION

Issue Date: 01/12/2015

Revision Date: 06/01/2025 Rev. 5

Version: 5

Revision Note: Not applicable

This safety data sheet complies with the requirements of Regulation (EC) No. 1272/2008

General Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.