



# SAFETY DATA SHEET

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Version 1

## 1. IDENTIFICATION

**Product identifier****Product Name:** PURE GUARD FM SYNTHETIC GREASE**Other means of identification****Product code:** F-672 (All Grades)**Synonyms:** None**Recommended use of the chemical and restrictions on use****Recommended Use:** Lubricant**Uses advised against:** No information available**Details of the supplier of the safety data sheet****Supplier Address**

FRONTIER PERFORMANCE LUBRICANTS INC

PO BOX 1777

LODI, CA 95241

Phone: (800)-807-4496

Fax: (209)-334-6408

**Emergency telephone number****Emergency Telephone:** PERS (800)-633-8253

## 2. HAZARDS IDENTIFICATION

**OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122) Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

**Signal Word:** Not Classified**Hazard Statements:** None.**Precautionary Statements:**

The Product contains no substances which are their given concentration, are considered to be hazardous to health.

**Apperance:** Paste**Physical State:** Viscous Liquid**Odor:** Mild**Possible irritants to;**

Eyes None

Skin None

Inhalation None

Ingestion None

**Hazards not otherwise classified (HNOC)****Other Information****Unknown Acute Toxicity** 3% of the mixture consists of ingredients of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Ingredient</b>	<b>Weight %</b>	<b>CAS #</b>
Calcium Carbonate	10-40%	Proprietary

To the knowledge of the supplier, there are no other ingredients in this product that are classified as hazardous.

**4. FIRST AID MEASURES****First aid measures**

<b>Eye contact:</b>	Flush eye with water for 15 minutes. If symptoms persist, call a physician.
<b>Skin contact:</b>	Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.
<b>Inhalation:</b>	Move to fresh air. In case of shortness of breath, give oxygen.
<b>Ingestion:</b>	Do not induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Call a physician immediately.

**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:**

Dry chemical. Water spray mist or foam. Carbon dioxide (CO2). Sand.

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 waterspray.

**Hazardous combustion products:** Carbon oxides. Oxides of sulfur. Calcium oxides.

**Explosion data**

**Sensitivity to Mechanical Impact:** None.

**Sensitivity to Static Discharge:** None.

**Special protective equipment for firefighters**

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.

**Environmental precautions**

**Environmental precautions:** Do not allow material to contaminate ground water system.

**Methods and material for containment and cleaning up**

**Methods for containment:** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up:** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling:** Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions:** Keep containers tightly closed in a cool, well-ventilated place

## 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<sup>3</sup>, ACGIH STEL of 10 mg/m<sup>3</sup>.

Components	ACGIH TLV	OSHA (TWA mg/m <sup>3</sup> ):	IDLH:
Calcium Carbonate -	-	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction	

### 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:** In case of insufficient ventilation wear suitable respiratory equipment.

**Hand protection:** Neoprene gloves Polyethylene gloves

**Eye protection:** Safety glasses

**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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Physical state:** Viscous Liquid

**Appearance:** Paste

**Odor:** Mild

**Color:** White to Beige

**Odor threshold:** No information available

Property	Values	Remarks * Method
Melting point/freezingpoint	No information available	
Flash Point	> 230 °C / >446 °F	Cleveland Open Cup
pH	Not applicable	
Boiling point / boiling range	No information available	
Evaporationrate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air	No information available	
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Specific Gravity	1.05	
Water solubility	Insoluble in water	
Solubility in	No information	
Partition	No information	
other solvents	Available	
Coefficient	Available	
Auto ignition	No information	
Decomposition	No information	

Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	
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:** Stable under normal conditions  
**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 under normal processing  
**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: Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.  
 Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Components	Oral LD50	Dermal LD50	Inhalation LC50
Calcium Carbonate -	= 6450 mg/kg ( Rat )	-	-

### 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 - Product Information

Unknown Acute Toxicity: 3% of the mixture consists of ingredient(s) of unknown toxicity  
 The following values are calculated based on chapter 3.1 of the GHS document .  
 ATEmix (oral): 6466 mg/kg  
 ATEmix (dermal): 4156 mg/kg  
 ATEmix (inhalation-dust/mist): 14.4 mg/l

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** No known hazards to the aquatic environment.

31% 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** No information available.

**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:	Empty containers should be taken for local recycling, recovery or waste disposal.

**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 does not comply with China IECSC.
KECL:	This product complies with Korea KECL.
PICCS:	This product complies with Philippines PICCS.
AICS:	All the constituents of this material are listed on the Australian AICS
ENCS:	This product complies with Japan ENCS

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - 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 313**

Section 313 of 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 Federal 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 122.21 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

Components	NJRTK:	MARTK:	PARTK:
Calcium Carbonate -	Substance no. 4001 Listed.	Listed	Listed

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**

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NFPA Hazard Rating:

Health:	1	Slight
Flammability:	1	Slight
Reactivity:	0	Negligible

\*Threshold Limit Value/Personal Exposure Limit

N/A = Not Applicable

N/E = Not Established

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.

**End of Safety Data Sheet**