



SAFETY DATA SHEET

Issue Date 8/4/15

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Version 1

1. IDENTIFICATION

Product identifier

Product Name: Pure Guard FM Hydraulic

Other means of identification

Product code: F-651 (all ISO 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

Classification of the Mixture: Slight petroleum odor. Clear liquid.

Most Important Hazards: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

May cause serious eye damage. May cause skin sensitization with susceptible individuals. May cause eye, skin and respiratory tract irritation. Harmful if swallowed.

Hazard Classification:

- Causes severe eye damage – Category 1
- Causes eye and skin irritation – Category 2B
- May cause allergic skin reaction – Category 1B



Signal Word: Danger!

Precautionary Statements:

Inhalation - Avoid breathing dust/fume/gas/mist/vapors/spray. Keep container tightly closed. Use only with adequate ventilation.

Skin – Avoid contact with skin and clothing. Wash thoroughly after handling.

Eyes - Avoid contact with eyes. Wash thoroughly after handling.

Ingestion – Harmful if swallowed.

Quantity of Ingredients with Unknown Acute Toxicity: 0%

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	WT %	CAS #
White Mineral Oil (Petroleum)	70-90	8042-47-5
Polybutene	10-20	9003-29-6

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

4. FIRST AID MEASURES

Eyes:	Flush eyes with running water for at least 15 minutes. If redness, burning, blurred vision or irritation persists, transport to nearest medical facility for additional treatment.
Skin:	Flush skin with water, wash with soap and water. If irritation occurs, get medical attention. Remove contaminated clothing. Do not reuse clothing until cleaned. If material is injected under the skin, transport to the nearest medical facility for additional treatment. If redness, swelling, pain and/or blisters occur, transport to the nearest medical facility for additional treatment.
Ingestion:	Do NOT induce vomiting and obtain medical attention. Have victim rinse mouth out with water. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim has difficulty breathing or tightness of the chest, is dizzy, vomiting or unresponsive, give oxygen with rescue breathing or CPR as required and transport to the nearest medical facility.

5. FIRE-FIGHTING MEASURES

Flammable Properties:

Base Oil Flash point:	252°C (ASTM D92)
Flammable limits in air:	N/A
Auto ignition temperature:	N/A

Extinguishing media: CO₂, dry chemical, foam

Special firefighting measure: Procedures for an oil fire should be utilized. Use self-contained breathing apparatus. Use foam or dry chemical to extinguish fire. Water may be used only to keep surrounding containers cool. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

- Eliminate ignition sources and ventilate area.
- Absorb spillage with inert absorbent material.
- Contain spill and keep from entering waterways or sewers.
- Advise EPA/state agency if required.
- Use proper personal protective equipment for clean-up.
- Treat contaminated absorbent same as spilled product.

7. HANDLING AND STORAGE

Handling and Storage Precautions: Avoid heat, open flames, including pilot lights, and strong oxidizing agents. Use explosion-proof ventilation to prevent vapor accumulation. Ground all handling equipment to prevent sparking. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Have appropriate fire extinguishers and spill clean-up equipment in or near storage area.

Work/Hygienic Practices: Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet. Launder contaminated clothing before reuse. Properly dispose of contaminated leather articles such as shoes or belts that cannot be decontaminated. Contaminated leather articles including shoes cannot be decontaminated and should be destroyed to prevent reuse.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use adequate ventilation to keep vapors and mists of this material below applicable standards. Recommended work place control parameters - based on mineral oil ACGIH TWA 5 mg/m³.

Respiratory Protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of the OSHA Respiratory Protection Standard, 29 CFR 1910.134.

Skin Protection: Use protective clothing that is chemically resistant to this product. Acceptable materials for gloves and aprons are: neoprene, nitrile rubber or viton.

Eye Protection: Use safety glasses or goggles. Have suitable eye wash water available.

Other/General Protection: For mists and vapors: Air Purifying, organic vapor cartridge, NIOSH approved respirator. Use self-contained breathing apparatus for environments with unknown concentrations or emergency situations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color:	clear light yellow or colorless	Vapor Pressure:	N/A
Solubility in Water:	Insoluble	Appearance:	oil
% Volatile by Volume:	N/A	Evaporation Rate:	N/A
Odor:	Characteristic	Vapor Density (air = 1):	N/A
(Butyl Acetate = 1):	<1	Boiling Point:	N/A
Reactivity in Water:	Non-reactive	Specific Gravity:	0.87-0.91

10. STABILITY AND REACTIVITY

Stability:	Stable
Conditions to avoid:	Sources of ignition.
Incompatibility:	Strong oxidizing or reducing agents.
Decomposition Products:	Oxides of Carbon and Hydrogen.
Hazardous Polymerization:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalation, skin, eyes and ingestion.

Potential Health Effects:

Eye Effects: Corrosive. This mixture can cause irritation, redness, burns and tissue destruction.

Skin Effects: Irritant. This mixture may cause inflammation, significant irritation and sensitization in susceptible individuals.

Oral Effects:	Harmful if swallowed. Gastrointestinal tract irritation, nausea and vomiting if mixture is swallowed.
Inhalation Effects:	Harmful if inhaled. May cause respiratory tract irritation.
Chronic Health Effects:	No data available to indicate product or components present at greater than 1% are chronic health hazards.
Mutagenicity:	Negative
Carcinogenicity:	This mixture contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All the oils in this mixture have been demonstrated to contain less than 3% extractables by the IP 346 test.
Reproductive Effects:	Negative.
Teratogenicity:	Negative.
Sensitization:	Potential Skin Sensitizer Category 1B. Calcium salts of petroleum sulfonic acids may cause allergic skin reaction.
Toxicological Data:	
	ATE oral is > 2,000 mg/kg
	ATE dermal is > 4,000 mg/kg
	ATE inhalation (mist/aerosol) is estimated at 2.17 mg/L/4 hour

12. ECOLOGICAL INFORMATION

Not classified due to inadequate data available on this mixture. Highly recommend avoidance of release to the environment.

13. DISPOSAL CONSIDERATIONS

Avoid release to the environment. Dispose in a safe manner in accordance with national, state and local regulations. Not a RCRA hazardous waste if uncontaminated. If "used" RCRA criteria must be determined. Dispose of container by recycling or if permitted incineration.

14. TRANSPORT INFORMATION

Proper Shipping Name:	PETROLEUM LUBRICATING OIL; NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR.
Shipping Class:	55
Dot Identification Number:	N/A
Dot Shipping Label:	Not regulated by DOT.
TDG Classification:	Not controlled under TDG (Canada).

15. REGULATORY INFORMATION

U.S. Federal Regulatory Information:

SARA 302 Threshold Planning Quantity:	N/A
SARA 304 Reportable Quantity:	N/A
SARA 311 Categories:	
Acute Health Effects:	None
Chronic Health Effects:	None
Fire Hazard:	No
Sudden Release of Pressure Hazard:	No
Reactivity Hazard:	No

EPA/TSCA Inventory: The components of this product are listed on the EPA/TSCA inventory of chemicals.

Japan (ENCS): All components are in compliance with the Chemical Substances Control Law of Japan.
EPA Hazard Classification Code: Not applicable
CERCLA: No chemicals in this product are subject to the reporting requirements of CERCLA.

SARA Title III - Section 313 Supplier Notification: No Chemicals in this product exceed the DE Minimus reporting level established by SARA Title III, Section 313 and 40 CFR 372.

WHMIS Classification: WHMIS controlled. Class D; Division 2, Subdivision B: otherwise causing toxic effects.

Other Regulations: All components of this formulation are listed on the CEPA-DSL (Domestic Substance List)

16. OTHER INFORMATION

NFPA Hazard Rating

Health: 1
Flammability: 1
Instability: 0

NFPA/HMIS * for Carc, Muta, Tera, Specific Organ *

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Revision Note 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.

End of Safety Data Sheet