



SAFETY DATA SHEET

Issue Date 6/10/2016

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Version 1

1. IDENTIFICATION

Product identifier

Product Name: Power Mix 100

Other means of identification

Product code: F-502

Synonyms: None

Recommended use of the chemical and restrictions on use

Recommended Use: Additive.

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: Liquid. Slight petroleum odor.

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

Hazard Classifications: Flammable Liquids, Category 3
Serious eye damage, Category 1

Signal Word: Danger!



Hazard Pictograms:

Hazard Statements: Causes serious eye damage
Flammable liquid and vapor

Precautionary Statements:

Prevention

Keep container tightly closed.
Keep away from heat/sparks/open flames/hot surfaces – No smoking.
Wear protective gloves/protective clothing/eye protection/face protection.
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting equipment.
Take precautionary measures against static discharge.
Use only non-sparking tools.

Response

If swallowed: immediately call a poison center or doctor/physician.
 Do not induce vomiting.
 In case of fire, use dry chemical to extinguish.
 If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.
 If on skin or hair: remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

Storage

Store locked up.
 Dispose of contents/container according to local, state and federal regulations.
 Store in cool/well ventilated place.

Disposal

Dispose of contents/containers in accordance with local and national regulations.

Carcinogenicity:**IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by OSHA.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by NTP.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Weight %	CAS #
Isobutyl Alcohol	8-17	78-83-1

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

Base Oil Flash Point (ASTM D92): >205 °C

Auto Ignition Temperature: Not Determined

Suitable Extinguishing Media: Carbon Dioxide (CO₂)
 Dry powder
 Foam
 Alcohol-resistant foam
 Water mist

Special Firefighting Measures: Procedures for an oil fire should be utilized. Use self-contained breathing apparatus. 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

Personal Precautions/Procedures: Use PPE and ensure adequate ventilation.

Environmental Precautions: Should not be released into the environment.
Do not contaminate water.
Do not flush to surface water or sanitary sewer system.

Methods and Materials for Containment/Clean Up:

Contain spillage, soak up with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local/national regulations (see section 13).

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.

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 (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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color: Amber/brown
Appearance: Liquid
Specific Gravity: 0.8-0.9
Solubility in Water: Insoluble
Vapor Pressure: Not Determined
%Volatile by Volume: Not Determined
Evaporation Rate: Not Determined
Odor: Characteristic
Vapor Density (air = 1): Not Determined
Boiling Point: Not Determined
Reactivity in Water: Not Reactive

10. STABILITY AND REACTIVITY

Stability: The product is 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: Can cause irritation, redness, burns, and tissue destruction.
Skin Effects: Can cause inflammation, and significant irritation.
Oral Effects: Gastrointestinal tract irritation, nausea, and vomiting if swallowed.
Inhalation Effects: May cause respiratory tract irritation.
Chronic Health Effects: No data available to indicate product or components present in Mixture are chronic health hazards.
Mutagenicity: Negative
Reproductive Effects: Not Determined
Teratogenicity: Not Determined
Sensitization: See Section 2

Toxicological Data: ATE oral is >2,000 mg/kg
 ATE dermal is > 4,000 mg/kg
 ATE inhalation (mist/aerosol) is estimated at 2.2 mg/L/4 h

12. ECOLOGICAL INFORMATION

Not classified due to inadequate data available on this mixture. Highly recommend avoidance of release to 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 OIL; NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR.
Shipping Class: 65
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: Listed
EPA Classification Code: N/A
CERCLA: No components are subject to reporting.
Sara Title III-Section 313 Supplier Notification: No components listed in this product exceed the DE Minimus reporting level established by SARA Title III < Section 313 and 40 CFR 372.
WHMIS Classification: See Section 2.
Other Regulations: All components of this formulation are listed on the CEPA-DSL

16. OTHER INFORMATION

NFPA Hazard Rating:

Health: 1 Slight

Flammability: 2 Moderate

Reactivity: 0 Negligible

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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