



Prairie Mud Service

Fluid Solutions Thru Experience and Technology

PM LUBE Safety Data Sheet

Revision Date: May 3, 2016

Review Date: June 8, 2021

1. Identification

Product Identifier	PM Lube
Other Means of Identification	ACE Premium-X
Generic Name	Drilling Lubricant
Recommended Use	Drilling Lubricant
Recommended Restrictions	
Supplier Information	For Industrial use only
Supplier	
Company Name	Prairie Mud Service
Address	738 6th Street Estevan, SK
Telephone	S4A 1A4
Emergency Phone Number	(306) 634-3411

2. Hazard(s) Identification

Physical Hazards	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
OSHA Defined Hazards	Not Classified
Label Elements	Not Classified
Signal Word	Not Classified
Hazard Statement	Mild Eye Irritant. May cause skin irritation to person with high sensitivity.
Prevention	Not a dangerous substance according to GHS.
Response	N/A
Storage	N/A
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	N/A
supplemental	N/A

3. Composition/Information on Ingredients

Substances	CAS Number	Percent (w/w)	GHS Classification
Proprietary	N/A	> 90 %	H401 & H413
Proprietary	N/A	2 – 8 %	N/A

*The substance name and/or exact percentage (concentration) of the composition has been withheld as proprietary

4. First Aid Measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin Contact	Wash with plenty of soap and water. If skin irritation occurs: get medical attention. Take off contaminated clothing, and wash before reuse.
Eye Contact	Immediately flush eyes with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Seek medical attention if irritation develops.
Ingestion	Rinse mouth. Call a poison center or doctor/physician if you feel unwell. Do not induce vomiting.
Most Important symptoms/effects acute and delayed.	Skin contact may aggravate existing skin disease. Inhalation of product may aggravate existing chronic respiratory problems.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically.
General Information	In case of accident, or if you feel unwell, seek medical advice immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet (SDS) to the doctor in attendance.

5. Fire-fighting methods

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	This product is not flammable or combustible. Heating may cause pressure build-up, and possible rupture of the container.
Special protective equipment	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire Fighting equipment instructions	Use water to cool fire exposed surfaces, and move containers from fire area if you can do so without risk
Specific methods	Use standard firefighting procedures and consider the hazards of other materials.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear appropriate protective clothing. Ensure ventilation. Avoid contact with skin and eyes. Do not allow uncontrolled discharge of this product into the environment. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	<p>Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand, or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material, or absorb with vermiculite or other inert material. Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original container for re-use.</p>
Environmental precautions	Avoid release into the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses, or onto the ground.

7. Handling and storage

Precautions for safe handling	Take all necessary measures to avoid accidental discharge of products into drains and waterways.
Conditions for safe storage, including any incompatibilities	Store away from incompatible materials (see section 10 of SDS).

8. Exposure controls/personal protection

Occupational Exposure Limits	No exposure limits noted
Appropriate engineering controls	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Individual protection measures, such as personal protective equipment.	
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves.
Other	Wear suitable protective clothing.
Respiratory protection	In case of inadequate ventilation, wear suitable respiratory equipment.
Thermal protection	N/A
General hygiene considerations	Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical State	Liquid
Form	Liquid
Color	Yellow
Odor	Bland
Odor threshold	N/A
pH	N/A
Melting point/freezing point	> 5°C (> 41°F)
Initial boiling point and boiling range	> 215°C (> 419°F)
Flash point	Closed cup: 199°C (390.2°F); Open cup: 194°C (381.2°F)
Evaporation rate	< 1
Flammability	
Upper/lower flammability or explosive limits	
Flammability limit - lower(%)	N/A
Flammability limit - upper(%)	N/A
Explosive limit - lower(%)	N/A
Explosive limit - upper(%)	N/A
Vapor pressure	N/A
Vapor density	> 1
Relative density	0.894-0.906
Solubility(ies)	N/A
Solubility (water)	N/A
Partition coefficient (n-octanol/water)	N/A
Auto-ignition temperature	N/A
Decomposition temperature	N/A
Viscosity	N/A
Other information	N/A
Flammability	N/A
Flammability class	N/A
Pounds per gallon	8.58
Specific Gravity	N/A

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage, and transport
Stability	Material is stable under normal conditions
Possibility of hazardous reactions	Hazardous polymerization will not occur
Conditions to avoid	Contact with incompatible materials
Incompatible materials	Strong oxidizing agents. Strong alkalis.
Hazardous decomposition products	In the event of thermal decomposition, CO, NO _x , and CO ₂ may be formed.

11. Toxicological information

Information on likely routes of exposure

Inhalation	No adverse effects due to inhalation are expected.
Skin contact	May cause mild skin irritation
Eye contact	May cause mild eye irritation
Ingestion	May cause nausea, cramps, vomiting, diarrhea.

Symptoms related to the physical, chemical, and toxicological characteristics N/A

Information on toxicological effects

Acute toxicity	Not classified
Skin corrosion/irritation	Not classified

Respiratory or skin sensitization

Respiratory	This product is not expected to cause respiratory sensitization
Skin	This product is not expected to cause skin sensitization

Germ cell mutagenicity No data available to indicate product or any components present at greater than .1% are mutagenic or genotoxic

Carcinogenicity This product contains no substances considered to be a carcinogen by IARC, ACGIH, NTP, OSHA

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed

Reproductive toxicity	This product is not expected to cause reproductive or development effects
STOT - single exposure	Not classified
STOT - repeated exposure	Not classified
Aspiration hazard	Not an aspiration hazard.

12. Ecological information

Ecotoxicity	LD50 oral rat > 5000 mg/kg Non-Toxic
Persistence and degradability	Expected to be inherently biodegradable.
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal Considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Dispose of contents in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations
Waste from residues/ unused products	Dispose in accordance with local regulations. Empty containers or liners may contain some product residue.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling and disposal. Since empty containers may contain product residue, follow label warnings even after container is empty.

14. Transport Information

DOT

Not regulated as dangerous goods

IATA

Not regulated as dangerous goods

IMDG

Not regulated as dangerous goods

15. Regulatory information

US federal regulations This product is NOT a “hazardous chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification List (40 CFR 707, Sub pt. d)

Not regulated

CERCLA hazardous substance list

Not regulated

SARA 304 emergency release notification

Not regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed

SARA 311/312 hazardous chemical

No

SARA 313 (TRI reporting)

Not Listed

Other federal regulations

N/A

US State regulations

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals listed as carcinogens or reproductive toxins.

16. Other information, including date of preparation or last revision

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Version # 1.0

User's Responsibility This product safety data sheet provides health and safety information. The product is to be used in applications consistent with our product literature. Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. For any other uses, exposures should be evaluated so that appropriate handling practices and training programs can be established to ensure safe workplace operations. Please consult your local sales representative for any further information.

Disclaimers Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use, or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS may not be applicable.