

MATERIAL SAFETY DATA SHEET

LubriSilk® Pipeline Cleaner

Rev: 200702

Catalog Number: LSPC

Advanced Lubrication Technology, Inc.
3000 SW 42nd Avenue
Palm City, FL 34990

Emergency:
Infotrac 800-535-5053

A. Product Identification

Synonyms: Boron, Propanetriol

Chemical Name: 1,2,3, Propanetriol, Ethyl Hydroxy Propionate, Boron

Chemical Family: Chemical Formula: Mixture

CAS Reg. No.: Mixture

Product No.: LubriSilk® Pipeline Cleaner

Product and/or Components Entered on EPA's TSCA Inventory: NO

B. This product is in U.S. commerce, and is not listed in the Toxic Substances Control Act (TSCA) Inventory of Chemicals.

<u>Component</u>	<u>CAS #</u>	<u>%</u>	<u>OSHA (pel)</u>	<u>ACGIH (tlv)</u>	<u>UNITS</u>
Water	7732-18-5	>1	Not Est.	Not Est.	Not Est.
Boron & Derivitives		< 18	10 (T)	10 (T)	Mg/M3
Surfactants		<2	10 (T)	10 (T)	Mg/M3
Base fluid 1,2,3 – Propanetriol, Ethyl Hydroxy propionate, 1,2,3, Propaitriol		<98	10 (T)	10 (T)	Mg/M3

C. Personal Protection Information

Ventilation: Use adequate ventilation.

Respiratory Protection: Not generally required unless needed to prevent Respiratory irritation. In case of spill or leak resulting in unknown concentration, use NIOSH/MSHA approved supplied air respirator.

Eye Protection: For splash protection, use chemical goggles and face shield.

Skin Protection: Use gloves resistant to the material being used (i.e neoprene or Nitrile rubber). Use protective garments to prevent excessive skin contact.

NOTE: Personal protection information shown in Section C is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions

exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.

D. Handling and Storage Precautions

Do not get in eyes, on skin or on clothing. Avoid breathing vapors, mist, fume or dust. Do not swallow. May be aspirated into lungs. Wear protective equipment and/or garments described in Section C if exposure conditions warrant. Wash thoroughly after handling. Launder contaminated clothing before reuse. Use with adequate ventilation. Store in a well-ventilated area. Store in a closed container.

E. Reactivity Data

Stability: Stable. Hazardous polymerization will not occur.

Incompatibility (Materials to Avoid): strong oxidizing agents

Hazardous Polymerization: Will not occur

Conditions to Avoid: Not Established

Hazardous Decomposition Products: None that are known..

F. Health Hazard Data

Recommended Exposure Limits: Not Established

Acute Effects of Overexposure:

Eye: May cause mild irritation, with stinging and redness of the eyes.

Skin: May cause severe irritation. Repeated or prolonged contact may cause defatting of the skin, resulting in dermatitis.

Inhalation: May cause irritation to nose, throat or lungs. Headache, nausea, dizziness, unconsciousness may occur.

Ingestion: May cause irritation to intestines. May cause headache, nausea, unconsciousness. If swallowed, may be aspirated resulting in inflammation and possible fluid accumulation in the lungs.

Subchronic and Chronic Effects of Overexposure:

Carbon monoxide inhalation may cause carboxyhemoglobinemia. Chronic exposure to carbon monoxide causes fatigue, poor memory, loss of sensation in fingers, visual disturbances and insomnia. Carboxyhemoglobinemia is frequently misdiagnosed as flu.

Sensitive sub-populations to the inhalation of carbon monoxide exist. Carbon monoxide displaces oxygen in the bloodstream and therefore, can adversely effect people with pre-existing heart disease, pregnant women and smokers.

Other Health Effects: No known applicable information.

Health Hazard Categories:

	<u>Animal</u>	<u>Human</u>		<u>Animal</u>	<u>Human</u>
Known Carcinogen	___	___	Toxic	___	___
Suspect Carcinogen	___	___	Mild Corrosive	___	___
Mutagen	___	___	Irritant	<u>X</u>	<u>X</u>
Teratogen	___	___	Target Organ Toxin	___	___
Allergic Sensitizer	___	___	Specify - Lung-Aspiration Hazard		
Highly Toxic	___	___			

First Aid and Emergency Procedures:

Eye: Flush eyes with running water for at least fifteen minutes. If irritation or adverse symptoms develop, seek medical attention.

Skin: Immediately wash skin with soap and water for at least fifteen minutes. If irritation or adverse symptoms develop, seek medical attention.

Inhalation: Remove from exposure. If breathing is difficult, give oxygen. If breathing ceases, administer artificial respiration followed by oxygen. Seek immediate medical attention.

Ingestion: Do not induce vomiting. Seek immediate medical attention.

Note to Physician: Gastric lavage using a cuffed endotracheal tube may be performed at your discretion.

G. Physical Data

Appearance: semi-opaque liquid
Odor: None
Boiling Point: 190 C.
Vapor Pressure: Not Applicable
Vapor Density (Air = 1): not applicable
Solubility in Water: 60-65 %
Specific Gravity (H₂O = 1): 9.02 Lbs/Gal
Percent Volatile by Volume: 60-65 (water)
Evaporation Rate (Butyl Acetate=1): <<1
Viscosity: 42.3 cSt @ 104 F (40C)

H. Fire and Explosion Data

Flash Point (Method Used): CoC 148 F.

Flammable Limits (% by Volume in Air): LEL - Not Established
UEL - Not Established

Fire Extinguishing Media: Dry chemical, foam or carbon dioxide (CO₂)

Special Fire Fighting Procedures: Evacuate area of all unnecessary personnel. Shut off source, if possible. Use NIOSH/MSHA approved self-contained breathing apparatus and other protective equipment and/or garments described in Section C if conditions warrant.

I. Spill, Leak and Disposal Procedures

Precautions Required if Material is Released or Spilled: The components of the product are inert. The product is not expected to present any environmental hazard.

J. DOT Transportation

Shipping Name: 1,2,3, propanetriol solution
Hazard Class: Not currently regulated under DOT
Marking:
Label: None
Placard: none
Hazardous Substance/RQ: Not applicable
Shipping Description: Non-hazardous

K. RCRA Classification - Unadulterated Product as a Section C Waste

Prior to disposal, consult your environmental contact to determine if TCLP (Toxicity Characteristic Leaching Procedure, EPA Test Method 1311) is required.
Reference 40 CFR Part 261.

L. Protection Required for Work on Contaminated Equipment

Contact immediate supervisor for specific instructions before work is initiated. Wear protective equipment and/or garments described in Section C if exposure conditions warrant.

M. Hazard Classification

X This product meets the following hazard definition(s) as defined by the Occupational Safety and Health Hazard Communication Standard (29 CFR Section 1910.1200):

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> Combustible Liquid | <input type="checkbox"/> Flammable Aerosol | <input type="checkbox"/> Oxidizer |
| <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Explosive | <input type="checkbox"/> Pyrophoric |
| <input type="checkbox"/> Flammable Gas | <input checked="" type="checkbox"/> Health Hazard (Section F) | <input type="checkbox"/> Unstable |
| <input type="checkbox"/> Flammable Liquid | <input type="checkbox"/> Organic Peroxide | <input type="checkbox"/> Water Reactive |
| <input type="checkbox"/> Flammable Solid | | |

Based on information presently available, this product does not meet any of the hazard definitions of 29 CFR Section 1910.1200.

N. Additional Comments

SARA 313

This product contains the following chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. (See Section B):

None

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