

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Altraplex LCM EP#1
Synonyms: Petroleum Lubricating Grease
CAS Number: Blend

Company Identification

Allegheny Petroleum Products Co.
999 Airbrake Avenue
Wilmerding, PA 15148 USA
1-412-829-1990 (For product information)
1-800-424-9300 (For emergencies)
1-800-424-9300 or 1-703-527-3887 (CHEMTREC)

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
LITHIUM 12-HYDROXYSTEARATE	3.0 - 5.0 %	7620-77-1
HYDROTREATED HEAVY NAPHTHENIC DISTILLATE	60.0 - 70.0 %	64742-52-5
STYRENE-ETHYLENE/PROPYLENE COPOLYMER	2.0 - 5.0 %	68648-89-5
ZINC ALKYLDITHIOPHOSPHATE	0.5 - 2.0 %	68649-42-3
MOLYBDENUM SULFIDE (MOS2)	3.0 - 6.0 %	1317-33-5

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

COMPOSITION COMMENT:

This product contains the following component required to be reported per the SARA Section 313:

Zinc Alkyldithiophosphate, CAS# 68649-42-3, 0.2 - 2.0 % by weight.

HAZARDS DISCLOSURE

This product contains hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

3. HAZARDS IDENTIFICATION

NFPA Rating - Health: 0
 Flammability: 1
 Reactivity: 0

POTENTIAL HEALTH EFFECTS

EYE:

Causes eye irritation.

SKIN:

May cause skin irritation. Prolonged or repeated contact may cause skin irritation, local redness and swelling.

INHALATION:

High vapor concentrations are irritating to the eyes, nose, throat, and lungs.

INGESTION:

May be harmful if swallowed.

CHRONIC EFFECTS:

None reported.

CARCINOGENICITY INFORMATION:

None known.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

SKIN CONTACT FIRST AID:

Wash skin with plenty of soap and water while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists. Wash clothing separately before reuse.

INHALATION FIRST AID:

Remove to fresh air.

If not breathing, give artificial respiration and contact a physician immediately.

INGESTION FIRST AID:

For larger amounts, do NOT induce vomiting, but give one or two glasses of water to drink and get medical attention. Never give anything by mouth to an unconscious person.

(section 4 continued)

NOTES TO PHYSICIAN:

Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: 254.4 C (489.9 F)

Autoignition Temperature: 282.2 C (540.0 F)

FLAMMABLE LIMITS IN AIR

LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA:

Carbon dioxide, foam, or dry powder. Do not use water, because this product is oil based. Water may cause frothing.

FIRE & EXPLOSION HAZARDS:

Can burn in fire, releasing toxic vapors, fumes, and smoke.

FIRE FIGHTING INSTRUCTIONS:

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear.

COMBUSTION PRODUCTS:

Hazardous decomposition products are oxides of carbon and nitrogen including CO and CO₂.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction.

INITIAL CONTAINMENT:

Absorb spills with inert material. Do not allow material to enter soil or surface water.

LARGE SPILLS PROCEDURE:

Absorb spill with inert material (e g, dry sand or earth), then place in a chemical waste container. Do not flush to sewer.

SMALL SPILLS PROCEDURE:

Absorb spills with inert material.

(section 6 continued)

MISCELLANEOUS:

Treat or dispose of in accordance with all federal, state, and local requirements. Incineration is preferred.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of. Wash hands thoroughly after handling.

HANDLING (PHYSICAL ASPECTS):

Secure container after each use. Store in a cool dry area.

Avoid contact with strong oxidizing agents.

STORAGE PRECAUTIONS:

Store in a cool dry place, in a tightly closed container. Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. TLV for mineral oil is 5 mg/cubic meter.

EYE / FACE PROTECTION REQUIREMENTS:

When contact with the material may occur, chemical goggles and/or a face shield and protective clothing are recommended.

SKIN PROTECTION REQUIREMENTS:

Where contact is likely, wear chemical resistant gloves. Neoprene, polyvinyl chloride, butyl rubber, natural rubber and polyethylene are acceptable.

RESPIRATORY PROTECTION REQUIREMENTS:

Under normal use conditions, with adequate ventilation, no special handling equipment is required. If mists are produced, local ventilation may be required to keep exposure below limits.

(section 8 continued)

EXPOSURE GUIDELINES:

HYDROTREATED HEAVY NAPHTHENIC DISTILLATE

ACGIH TWA: 5 mg/m³
OSHA STEL: 10 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Thixotropic
COLOR: Grey
ODOR: Petroleum
BOILING POINT: 700 F
VAPOR DENSITY: Heavier than air (Air = 1)
SOLUBILITY IN WATER: Nil
SPECIFIC GRAVITY: 0.89 @ 16 Deg C (Water = 1)
MELTING/FREEZING POINT ...: 365 F
PH: Not applicable
% VOLATILES: nil %

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with strong oxidizing agents.

DECOMPOSITION:

In the case of a fire, oxides of carbon, zinc and sulfur, hydrocarbons, fumes, and smoke may be produced.

CONDITIONS TO AVOID:

Sources of ignition and temperatures above 50C (122F) - 60C (140F).

11. TOXICOLOGICAL INFORMATION

MISCELLANEOUS:

Routes of entry: Eyes, ingestion, inhalation, skin.

12. ECOLOGICAL INFORMATION

(section 12 continued)

MISCELLANEOUS:

No data available.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Avoid disposal into waste water treatment facilities. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL: Altraplex LCM EP#1
D.O.T. SHIPPING NAME ...: Not Regulated by DOT

15. REGULATORY INFORMATION

REGULATORY LISTS SEARCHED:

01 = CANADIAN DISCLOSURE LIST	02 = CERCLA Hazardous Substances
03 = TITLE V OF THE CLEAN AIR ACT	04 = SC Toxic Air Pollutants List
05 = SARA TITLE III - SECTION 313	06 = SARA Title III - Section 312
07 = CA PROPOSITION 65	08 = RCRA Hazardous Substances

No information available.

16. OTHER INFORMATION

REASON FOR ISSUE: NEW
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END OF MSDS
