

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**Manufacturer** Performance Fuel Specialists  
PO Box 1318  
Livingston, MT 59047

**Telephone** (888) 737-7767 **Fax** (928) 244-6687

**Product Name** Lead Plus

**Recommended Use** Fuel additive

**Emergency Contact / Number** Chemtrec / (800) 424-9300 (US, 24 hour)

**SECTION 2: HAZARD IDENTIFICATION**

**Hazards**

Flammable liquid Category 3, Flammable liquid and vapor  
 Skin corrosion/irritation Category 2, Causes skin irritation  
 Eye damage/irritation Category 1, Causes serious eye damage  
 Aspiration Category 1, May be fatal if swallowed and enters airways  
 Carcinogenicity Category 2, Suspected of causing cancer  
 Acute aquatic toxicity Category 3, Toxic to aquatic life  
 Chronic aquatic toxicity Category 3, Toxic to aquatic life with long-lasting effects



**Signal Word** DANGER

**Precautionary Statements**

**Prevention**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, open flames and hot surfaces. No smoking. Keep container tightly closed. Ground container and receiving equipment. Use explosion-proof electrical, ventilating and light equipment, etc. Use only non-sparking tools. Take precautionary measures against static discharge. Wash hands thoroughly after handling. Wear protective gloves and clothing, eye and face protection. Use personal protective equipment as required.

**Response**

In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam for extinction. Collect spillage.

IF SWALLOWED: Immediately call a POISON CENTER, doctor or physician. Do NOT induce vomiting.

IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. If skin irritation occurs: get medical advice or attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so - continue rinsing.

IF exposed or concerned: get medical advice or attention.

**Storage and Disposal**

Store in a well ventilated place. Keep cool. Store locked up. Dispose of contents and container to an approved waste disposal plant.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Component Name	CAS#	Component Percent
Kerosene	Mixture	40 – 60
Performance additives	Mixture	20 – 40
Petroleum naphtha	64742-94-5	<5
Naphthalene	91-20-3	<3

**SECTION 4: FIRST AID MEASURES**

<b>Eye Contact</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Remove any contact lenses if worn. Get medical attention if irritation develops or persists.
<b>Skin Contact</b>	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.
<b>Ingestion</b>	If swallowed, do NOT induce vomiting, but have the victim rinse mouth with water, and then drink 2 - 4 cupsful of water. Get immediate medical attention immediately. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration and contact a physician immediately. If breathing is difficult, administer oxygen and contact a physician immediately.

**Most Important Symptoms / Effects**

May cause eye irritation or discomfort. Prolonged or repeated skin contact may result in skin drying which may result in irritation and dermatitis. Ingested liquid can directly enter the lungs when swallowed or vomited. Serious lung damage and possibly fatal chemical pneumonia can develop if this occurs. Moderately irritating to respiratory tract.

**Indication of Immediate Medical Attention and Special Treatment, if Necessary**

Persistent eye or skin irritation, ingestion, difficulty in breathing, unconsciousness or respiratory distress. Activated charcoal mixture may be administered in case of ingestion. Administer 5 ml/kg or 350 ml for an average adult. Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk justified by the presence of additional toxic substances. Activated charcoal may induce vomiting, but may be given after emesis or lavage to absorb toxic additives.

**SECTION 5: FIREFIGHTING MEASURES**

**Suitable and Unsuitable Extinguishing Media**

Use fire-fighting techniques such as water, CO<sub>2</sub> and foam. Use a water spray to cool fire-exposed containers, structures and to protect personnel.

**Specific Hazards Arising from the Chemical**

Vapors are heavier than air and may travel along the ground to a source of ignition (pilot light, heater, electric motor) some distance away. Containers or drums (especially when empty but containing residual fumes) can explode when heat (welding, cutting, etc.) is applied. Burning material will release smoke and fumes which should be considered toxic. Storage tanks or containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture or explosion.

**Specific Protective Equipment and Precautions for Fire-Fighters**

Do not enter confined fire space without full equipment and a positive pressure NIOSH-approved self-contained breathing apparatus.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions**

Isolate release area and keep unnecessary or untrained people away. Avoid skin or eye contact with spilled material. See Section 8 for personal protection gear.

**Environmental Precautions**

Contain spill if it can be done with minimal risk. Prevent liquid from entering drains, sewers or waterways. Advise EPA, state or local agencies as required.

**Methods for Cleaning Up**

Eliminate all sources of ignition – heat, sparks, flame, electricity, and impact. Spills are extremely slippery and should be cleaned up immediately. Contain spilled material with dikes or absorbents. Do not allow material to enter soil, surface water, or sewer system. Treat or dispose of in accordance with all federal, state, and local requirements.

**LARGE SPILLS PROCEDURE:** Stop the source of the leak, if it is safe to do so. Contain spilled material. Vacuum or sweep up material and place in a disposal container. Absorb residue with inert material (e.g. dry sand or earth), then place in a chemical waste container. Do not flush to sewer. Use explosion-proof equipment during clean-up.

**SMALL SPILLS PROCEDURE:** Absorb spills with inert material. Transfer to a chemical waste container and dispose of properly.

**SECTION 7: HANDLING AND STORAGE**
**Handling**

Use appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Keep away from food and drinking water. Secure container after each use. Use with adequate ventilation or wear appropriate respirator when ventilation is inadequate. Do not eat, drink or smoke in areas where this material is handled, stored and processed. Wash hands and face before eating, drinking and smoking, using the restroom or at the end of shift or work assignment.

**Storage**

Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Use appropriate containment to avoid environmental contamination.

**SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION**
**Exposure Limits**

Component Name	ACGIH	OSHA
Oil mist	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Kerosine	200 mg/m <sup>3</sup>	Not Established
Naphthalene	10 ppm (TWA)	10 ppm (TWA)

**Engineering Controls**

Use appropriate ventilation to maintain airborne concentration below exposure limits. Have eye wash stations and safety showers readily available.

**Eye and Face Protection**

Wear safety glasses or chemical safety goggles; use face shield if splashing is possible e.g. when pouring large amounts.

**Skin Protection**

Wear chemical or petroleum resistant gloves to avoid contact. Additional body garments should be used based upon the task being performed.

**Respiratory Protection**

Maintain good ventilation or air flow. Use a respirator in areas where the exposure is unknown or above OSHA or ACGIH limits.

**General Hygiene**

Follow accepted work practices for handling an flammable material. Do not eat, drink or smoke in areas where this product is used or stored. Wash thoroughly with soap and water after task or shift, when using the restroom or before eating.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance/Physical State</b>	Amber liquid	<b>Flash Point (PMCC)</b>	127 °F
<b>Specific Gravity (Water=1)</b>	0.86 (7.13 lbs/gal)	<b>Upper Flammability Limits</b>	Not Determined
<b>Evaporation Rate</b>	Not Determined	<b>Lower Flammability Limits</b>	Not Determined
<b>pH (as shipped/1% in water)</b>	Not Applicable	<b>Auto-ignition Temperature</b>	Not Determined
<b>Solubility in Water</b>	Insoluble	<b>Decomposition Temperature</b>	Not Determined
<b>Odor</b>	Petroleum	<b>Vapor Pressure</b>	Not Determined
<b>Odor Threshold</b>	Not Determined	<b>Vapor Density (Air=1)</b>	>1
<b>Melting/Freezing Point</b>	Not Determined	<b>Partition Coefficient (n-octanol/water)</b>	Not Determined
<b>Boiling Range</b>	Not Determined	<b>Viscosity (cSt, 100 °F)</b>	<20.5
<b>Initial Boiling Point</b>	Not Determined	<b>Critical Temperature</b>	Not Determined

Note: Physical and chemical properties are provided for safety, health and environmental considerations and do not fully represent product specifications. Those should be requested separately.

**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity:** Will not react under normal temperature and storage conditions

**Chemical Stability:** Stable under normal temperature and storage conditions

**Possibility of Hazardous Reactions:** Will not occur under normal storage and use conditions

**Conditions to Avoid:** Static discharge, high heat, open flame, high storage temperatures

**Incompatible Materials:** Avoid contact with strong oxidizing agents, such as nitric and sulfuric acids.

**Hazardous Decomposition Products:** Carbon and nitrogen oxides, smoke and other possibly toxic organic compounds.

**SECTION 11: TOXICOLOGICAL INFORMATION**

Specific toxicity tests have not been conducted on this mixture. In accordance with OSHA's Hazard Communication Standard 1910.1200, this mixture is assumed to have the same health hazards as its significant components.

**Acute Toxicity Effects**

Slightly irritating to the eyes and skin, effect varies by individual and with length of exposure. Ingestion can cause abdominal discomfort, nausea and diarrhea. Aspiration may cause chemical pneumonitis. Inhalation may cause varying symptoms including respiratory tract irritation and chemical pneumonitis depending on individual susceptibility and amount of inhalation. See Sections 2 and 4 for further information.

**Chronic Toxicity Effects**

Any acute effects may be aggravated. See Sections 2 and 4 for further information.

**Carcinogenicity**

No components are found to be carcinogens according to OSHA and NTP. Contains low amounts (<3%) of petroleum impurities that have been rated by IARC as possible or suspect human carcinogens (IARC 2B).

**SECTION 12: ECOLOGICAL INFORMATION**

Specific environmental tests have not been conducted on this mixture. The ratings in Section 2 are based on the published ratings of the main components.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Do not dispose of into waste water treatment facilities. Dispose of in accordance with local, state/province, and federal environmental regulations. This material, if discarded, is considered a hazardous waste under RCRA Regulation 40 CFR 161.

**SECTION 14: TRANSPORT INFORMATION**

**DOT Information**                      Not Regulated (<119 gals/shipment)  
NA1993, PG III, Class 3; Combustible Liquid, n.o.s. (>119 gals/shipment)

**SECTION 15: REGULATORY INFORMATION**

**TSCA Status**                              All components are listed in the TSCA inventory  
**SARA 311/312 Reporting Categories**    Acute, flammable, chronic hazards  
**SARA 313 Reportable Ingredients**      Naphthalene (CAS 91-20-3)

**SECTION 16: OTHER INFORMATION**

**HMIS and NFPA Ratings** (Health, Fire, Physical Hazard)    2-2-0  
0 = Insignificant, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Extreme

**Department Issuing SDS**            Health and Safety