

# SAFETY DATA SHEET

## 1.IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Identification of the substance/preparation** UltraLube® – Lubricant and Penetrant- Aerosol – 10442,10443,10444

**Use of the substance/preparation** Multipurpose lubricant/penetrant.

**Version No.** 01

**Revision date** 14-Sept 2012

**CAS No.** Mixture

**Supplier** **Plews & Edleman**  
1550 Franklin Grove Road  
Dixon, IL 61021  
815-288-3344

**Manufacturer Address** Environmental Lubricants Manufacturing, Inc.  
311 B Ave -Grundy Center, IA 50638

**SDS Questions:** (319) 824-5203

**Emergency telephone:** CHEMTREC: (800) 824-9300

## 2.HAZARDS IDENTIFICATION

This substance is classified as dangerous according to Directive 67/548/EEC.

**Classification** F+;R12

**Physical hazards** Extremely flammable.

**Health hazards** Not classified as a health hazard.

**Environmental hazards** Not Toxic-Not classified as an environmental hazard.

**Specific hazards** Breathing of high vapour concentrations may cause dizziness, light-headedness, headache, nausea and loss of co-ordination. Continued inhalation may result in unconsciousness. Contact with liquefied gas can cause damage (frostbite) due to rapid evaporative cooling. The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals. The product is extremely flammable. When sprayed on a naked flame or any incandescent material the aerosol containers can be ignited. Aerosol containers can burst violently when heated, due to excess pressure buildup.

**Main symptoms** Narcosis. Behavioural changes. Decrease in motor functions.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	%	EC-No. / REACH Registration No.	Notes
<b>Classification</b>				
Vegetable Oil	120962-03-0	50 - 80	273-313-5	
<b>Propellant:</b> Petroleum gases, liquefied, sweetened F+;R12	68476-86-8	15 - 25	270-705-8	

2-tert-butyl-hydroquinone

1948-33-0

0 - 0.2

217-752-2

**Composition comments**

The full text for all R-phrases is displayed in Section 16. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**4. FIRST-AID MEASURES**

**Inhalation**

Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact**

Remove contaminated clothing. Wash contact areas with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.

**Eye contact**

Flush eyes thoroughly with water for at least 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if irritation develops or persists.

**Ingestion**

Not relevant due to the container type.

**Most important symptoms and Effects**

Symptoms include itching, burning, redness, and tearing of eyes.

**General advice**

Get medical attention if any discomfort develops.

**Notes to physician**

Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media**

Dry chemical, foam, carbon dioxide.

**Extinguishing media which must not be used for safety reasons**

None.

**Unusual fire & explosion hazards**

Aerosol containers can explode when heated, due to excessive pressure build-up.

**Specific hazards**

During fire, gases hazardous to health may be formed.

**Special protective equipment for fire-fighters**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

**Fire fighting equipment/instructions**

Move containers from fire area if you can do it without risk. Use water spray to cool unopened containers. Cool containers with flooding quantities of water until well after fire is out.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

Ensure adequate ventilation. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). For personal protection, see Section 8. Avoid inhalation of vapours and aerosol spray. Avoid contact with skin and eyes.

**Environmental precautions**

Avoid discharge into drains, water courses or onto the ground. Collect and dispose of spillage as indicated in Section 13. Contact local authorities in case of spillage to drain/aquatic environment.

**Methods for cleaning up**

Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Small Spills: Absorb spillage with non-combustible, absorbent material. Large Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Wash area with soap and water.

**7. HANDLING AND STORAGE**

**Handling**

Local exhaust is recommended. Do not inhale aerosols/spray mist. Avoid contact with skin and eyes. Wear appropriate personal protective equipment. The product is extremely flammable. May form explosive mixtures with air. Do not smoke and do not spray near a naked flame or other sources of ignition. Observe good industrial hygiene practices.

**Storage**

Keep away from heat, sparks and open flame. Keep in a cool, well-ventilated place. Store away

from incompatible materials.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Exposure controls</b>	Ventilation should effectively remove and prevent buildup of any aerosols or mists generated from the handling of this product.
<b>Occupational exposure controls</b>	
<b>Respiratory protection</b>	In case of inadequate ventilation use suitable respirator. Use air-supplied respirator. Seek advice from local supervisor.
<b>Hand protection</b>	Wear protective gloves. Nitrile gloves are recommended. Suitable gloves can be recommended by the glove supplier.
<b>Eye protection</b>	Wear approved safety goggles.
<b>Skin and body protection</b>	Wear suitable protective clothing.
<b>General</b>	Use personal protective equipment as required. Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
<b>Environmental exposure Controls</b>	Contain spills and prevent releases and observe national regulations on emissions. Environmental manager must be informed of all major spillages.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practices. Wash hands after handling. Launder contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Aerosol (clear liquid) .
<b>Physical state</b>	Liquid.
<b>Form</b>	Aerosol
<b>Colour</b>	Yellow.
<b>Odour</b>	Faint vegetable oil.
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Boiling point</b>	Not available.
<b>Flash point</b>	< 0 °C (< 32 °F)
<b>Flammability</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapour pressure</b>	50 psi (20 °C)
<b>Relative density</b>	0.921 (Water = 1)
<b>Solubility (water)</b>	Insoluble.

<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Vapour density</b>	> 1 (Air = 1)
<b>Evaporation rate</b>	Not available.
<b>Melting point</b>	Not available.
<b>Freezing point</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>VOC</b>	24 %

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable at a temperature below 50°C.
<b>Conditions to avoid</b>	Avoid exposing aerosol containers to high temperatures or direct sunlight. Contact with incompatible materials.
<b>Materials to avoid</b>	Strong oxidising agents.
<b>Hazardous decomposition Products</b>	At thermal decomposition temperatures, carbon monoxide and carbon dioxide.
<b>Hazardous polymerisation</b>	Hazardous polymerisation does not occur.

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity</b>	Vapours and spray mist may irritate throat and respiratory system and cause coughing. In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea.
<b>Routes of exposure</b>	Eye contact. Inhalation. Skin contact.
<b>Chronic toxicity</b>	Prolonged or repeated contact may dry skin and cause irritation.
<b>Sensitisation</b>	The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals.
<b>Carcinogenicity</b>	No data available for this product.
<b>Mutagenicity</b>	No test data available for the product.
<b>Reproductivity</b>	No test data available for the product.
<b>Epidemiology</b>	No epidemiological data is available for this product.
<b>Local effects</b>	May irritate eyes and mucous membranes. May cause skin irritation. May cause redness and pain.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment
<b>Mobility</b>	The product is insoluble in water and will spread on the water surface. The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.
<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulation</b>	No data available on bioaccumulation.

<b>Environmental effects</b>	The product contains volatile organic compounds which have a photochemical ozone creation potential.
<b>Other adverse effects</b>	The product contains volatile organic compounds which have a photochemical ozone creation potential.

### 13. DISPOSAL CONSIDERATIONS

<b>Disposal instructions</b>	Do not puncture or incinerate even when empty. Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof bucket.
<b>Waste from residues / unused Products</b>	Dispose of in accordance with local regulations.
<b>EU wastecodes</b>	15 01 10*
<b>Waste management measures</b>	Empty aerosol containers are safe for disposal along with normal domestic refuse (special arrangements may apply locally).

### 14. TRANSPORT INFORMATION

#### ADR

<b>Proper shipping name</b>	AEROSOLS
<b>Hazard class</b>	2.1
<b>UN number</b>	1950
<b>Labels required</b>	2.2
<b>Item</b>	5T
<b>Transport Category</b>	2 (D)

#### IATA

<b>Proper shipping name</b>	Aerosols
<b>Hazard class</b>	2.1
<b>UN number</b>	1950

#### IMDG

<b>Proper shipping name</b>	AEROSOLS
<b>Hazard class</b>	2.1
<b>Subsidiary hazard class</b>	5T
<b>UN number</b>	1950



ADR



IATA



IMDG

### 15. REGULATORY INFORMATION

#### Labelling

Symbol(s)



Extremely flammable

**R-phrase(s)** R12 Extremely flammable.

**S-phrase(s)** S9 Keep container in a well-ventilated place.  
S16 Keep away from sources of ignition - No smoking.  
S23 Do not breathe fumes, vapour.  
S60 This material and its container must be disposed of as hazardous waste.

**Supplemental information on the label**

Pressurised container:  
protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work.

**Other regulations**

The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006 as amended.

## 16. OTHER INFORMATION

**Wording of the R-phrases in sections 2 and 3**

R12 Extremely flammable.

**Inventory status**

**Country(s) or region**  
Europe

**Inventory name On inventory (yes/no)\***  
European Inventory of Existing Commercial Chemical Substances (EINECS) Yes

Europe

European List of Notified Chemical Substances (ELINCS) No

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**Disclaimer**

The information given is based on data available for the material, the components of the material, and similar materials.

**Issue date**

21-June-2010