SAFETY DATA SHEET
DRAFT VERSION

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

Identification of the substance/preparation — **80W90 Multi-Purpose Gear Lubricant- 10400,10401,10402**

Use of the substance/preparation — Lubricant

Version No. — 01

Revision date — 26-April-2012

Manufacturer/Supplier Address — Environmental Lubricants Manufactoring, Inc.
311 B Ave -Grundy Center, IA 50638

Telphone — (319)824-5203

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

2. HAZARDS IDENTIFICATION

Not classified as dangerous according to directive 1999/45/EC.

Physical hazards — Not classified as a physical hazard.

Health hazards — Not classified as a health hazard.

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

Specific hazards — May form vapours or oil mists during mechanical action or at elevated temperatures which may be irritating to respiratory tract. May irritate eyes. The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals.

Main symptoms — Irritant effects. Irritation of eyes and mucous membranes.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	Classification	CAS-No.	%	EC-No. / REACH Registration No.	Notes
Canola oil	-	120962-03-0	60-100	273-313-5	
2-tert-butyl-hydroquinone		1948-33-0	0.1-0.5	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 with soap and water. Get medical attention if irritation develops and persists.

Eye contact — Flush eyes thoroughly with water for at least 15 minutes. Get medical attention if irritation develops or persists.

Ingestion — Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Drink 1 or 2 glasses of water. Get medical attention if any discomfort continues.

Most important symptoms and Effects	Not available.
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	Do not use water jet as an extinguisher, as this will spread the fire.
Unusual fire & explosion Hazards	None known
Specific hazards	Thermal decomposition may produce smoke, oxides of carbon and lower molecular weight organic compounds whose composition have not been characterised. 80W90 Multi-Purpose Gear Lubricant 4525 Version No.: 00 Revision date: 27-May-2010 Print Date: 27-May-2010 1 / 4 SDS UK
Special protective equipment for fire-fighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
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. Remove sources of ignition. For personal protection, see Section 8. In case of spills, beware of slippery floors and surfaces.
Environmental precautions	Prevent further leakage or spillage if safe to do so.
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	Use work methods which minimise production of vapours and mists. Avoid contact with eyes and prolonged skin contact. Observe good industrial hygiene practices.
Storage	Keep away from heat, sparks and open flame. Store in a cool and well-ventilated place. Store away from incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits	No exposure limits noted for ingredient(s).
Exposure controls	Provide adequate ventilation and minimise the risk of inhalation of vapours and mists.
Occupational exposure controls **Respiratory protection**	No personal respiratory protective equipment normally required. In case of inadequate ventilation or when the product is heated, use suitable respiratory equipment with gas filter (type A2). Seek advice from local supervisor.
Hand protection	Wear protective gloves. PVC gloves are recommended. Suitable gloves can be recommended by the glove supplier.
Eye protection	If risk of splashing, wear safety goggles or face shield.

Skin and body protection	Wear suitable protective clothing. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.
General	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.
Environmental exposure Controls	Contain spills and prevent releases and observe national regulations on emissions.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practices. Wash hands after handling. Launder contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Oily liquid.
Physical state	Liquid.
Form	Not available.
Colour	Amber.
Odour	Oily.
Odour threshold	Not available.
pH	Not available.
Boiling point	Not available.
Flash point	202 C
Flammability	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapour pressure	< 0.5 mm Hg (20°C)
Relative density	0.929
Solubility (water)	Practically insoluble
Partition coefficient (n-octanol/water)	Not available.
Viscosity	87 @ 40C
Vapour density	> 1 (Air=1)
Evaporation rate	< 1 (BuAc=1)
Melting point	Not available.
Freezing point	Not available.
Auto-ignition temperature	Not available.
VOC	Not available.

10. STABILITY AND REACTIVITY

Stability	Stable at normal conditions.
Conditions to avoid	High temperatures. Exposure to light. Contact with incompatible materials.
Materials to avoid	Strong oxidising agents.
Hazardous decomposition Products	At thermal decomposition temperatures, carbon monoxide and carbon dioxide.
Hazardous polymerisation	Hazardous polymerisation does not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	May form vapours or oil mists during mechanical action or at elevated temperatures which may be irritating to respiratory tract.
Routes of exposure	Eye contact. Inhalation.
Chronic toxicity	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
Sensitisation	No test data available for the product.
Carcinogenicity	IARC not listed.
Mutagenicity	No test data available for the product.
Reproductivity	No test data available for the product.
Epidemiology	No epidemiological data is available for this product.
Local effects	Contact with eyes may cause irritation.
Further information	No other specific acute or chronic health impact noted.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Oil spills are generally hazardous to the environment.
Mobility	The product is immiscible with water and will spread on the water surface.
Persistence and degradability	The product is expected to be biodegradable.
Bioaccumulation	No data available on bioaccumulation.
Environmental effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Aquatic toxicity	Not expected to be harmful to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Disposal instructions	Dispose in accordance with all applicable regulations.
Waste from residues / unused Products	Dispose of in accordance with local regulations.
EU wastecodes	16 05 09

14. TRANSPORT INFORMATION

ADR	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.

15. REGULATORY INFORMATION

Supplemental information on

the label

Other regulations Not classified as dangerous according to directive 1999/45/EC. 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 This preparation is not classified as dangerous according to Directive 1999/45/EC

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
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 27-May-2010