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Material Safety Data Sheet

LUBECORP WINTERLUBE PLUS

Section 1: Chemical Product and Company Identification

Product Name: LUBECORP WINTERLUBE PLUS
Product Identifier: PETROLEUM LUBRICATING OIL
Chemical Family: OXYGENATED & AROMATIC HYDROCARBONS
Common Uses: WINTER DIESEL FUEL CONDITIONER
In Case of Emergency: LubeCorp Manufacturing 1-800-661-6100

Contact Information:
LubeCorp Manufacturing Inc.
 1010 72 Avenue N.E.
 Calgary, Alberta
 T2E 8V9
 Canada

Section 2: Hazards Identification

Physical State: Liquid **HMIS: Health** 1
Odour: Aromatic **Flammability** 3
WHMIS Class: B.2 Flammable Liquid, D.2B (Toxic) **Physical Hazards** 1
T.D.G Class: Flammable Liquid, N.O.S Class 3, Pkg II, UN 1993 **Personal Protection** B

TARIFF NUMBER/(H.S. CODE): 3811.21.00.00
Routes of Entry: Dermal contact, Eye contact, Inhalation, Ingestion.

Potential Acute Health Effects
Inhalation: High concentration of vapors may cause nasal and respiratory irritation, headache dizziness and nausea.
Ingestion: Aspiration hazard. If swallowed, do not induce vomiting.
Skin: Causes irritation. May be absorbed through skin.
Eyes: Causes severe eye irritation with redness and pain.

Potential Chronic Health Effects
Chronic Effects: Can cause dry, red, cracked skin (dermatitis) following skin contact.
Carcinogenicity: Not listed as carcinogenic by OSHA, NTP or IARC.
Mutagenicity: No known significant effects or critical hazards.
Reproductive Toxicity: Not known to be a reproductive hazard.
Tetrogenicity/Embryotoxicity: Developmental hazard. May harm the unborn child based on animal information. Has been associated with: low birth weight or size, learning disabilities and hearing loss.

Section 3: Composition and Information on Ingredients			
COMPONENTS	CAS Number	% by Wt.	OSHA (PEL)
Phenylmethane	108-88-3	30-60	TWA 200ppm C 300 ppm 500ppm (10-minute maximum peak)
Stoddard Solvent	8052-41-3	15-40	500ppm(2900 mg/m ³) TWA
Xylene, mixed isomers	1320-20-7	10-30	100 ppm (435 mg/m ³) TWA
There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.			
Section 4: First Aid Measures			
Inhalation: If irritation is experienced, move to fresh air. Get medical aid			
Ingestion: Do not induce vomiting. Get medical attention immediately.			
Eyes: Flush eyes with water for at least 15 minutes. If irritation persists consult physician.			
Skin: Wash with soap and water. Wash contaminated clothing before reuse.			
Section 5: Fire-fighting Measures			
Flash Point (C.O.C)		13° C	
Fire Extinguishing Substances:		Foam, CO ₂ , Dry Chemical, Water spray or fog	
Special Fire-fighting Procedures: Flammable Liquid. Wear full protective clothing and NOISH-approved self-contained breathing apparatus with a full face-piece operated in pressure demand or other positive pressure mode.			
Products of Combustion: Carbon oxides (CO, CO ₂), water vapour			
Special Remarks on Explosion Hazards: Do not store in high temperature areas or where subject to open flames.			
Section 6: Accidental Release Measures			
Personal precautions: Evacuate surrounding areas. Do not touch or walk through spilt material. Provide adequate ventilation. Use appropriate personal protective equipment. (See section 8.)			
Environmental Precautions: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution.			
Methods of Cleaning			
For small spills, clean up with absorbent material. Collect material in suitable and properly labelled open containers. For large spills, dike and pump into suitable and properly labeled containers.			

Section 7: Handling and Storage
<p>Handling: Put on appropriate personal protective equipment (See Section 8). Keep away from heat, sparks and open flame. Use with adequate ventilation. Do not pressurize, cut, weld, braze, drill, grind, or expose empty containers to heat, sparks or open flames.</p> <p>Storage: Store in accordance with local regulations. Store in a cool, dry, well-ventilated area away from incompatible materials (see Section 10). Keep containers closed when not in use</p>
Section 8: Exposure Controls and Personal Protection
<p>Recommended monitoring procedures: None required.</p> <p>Engineering measures: Use in well-ventilated area.</p> <p>Hygiene Measures: Wash hands with soap and water after handling. Ensure that eyewash stations and safety showers are available.</p> <p>Personal Protection</p> <p>Ventilation: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.</p> <p>Respiratory Protection: Use a properly fitted, air purifying or air-fed respirator complying with an approved standard if a risk assessment indicates that is necessary.</p> <p>Eye Protection: Safety eyewear should be used.</p> <p>Skin protection: Wear appropriate protective gloves to prevent skin exposure.</p> <p>Other Protection: None required.</p>
Section 9: Physical and Chemical Properties
<p>Physical State: Liquid</p> <p>Color: Clean yellow liquid</p> <p>Flash point: 13°C</p> <p>Solubility in water % by wt: >10%</p> <p>Volatility: 99%</p> <p>Pour Point: <-80°C</p> <p>Specific Gravity, 20 °C: 0.87-0.9</p>
Section 10: Stability and Reactivity
<p>Chemical Stability: The product is stable under normal conditions of use and storage.</p> <p>Incompatibility (Materials to Avoid): Avoid strong oxidizing agents.</p> <p>Hazardous Decomposition Products: Oxides of carbon produced on combustion</p> <p>Can Hazardous Polymerization Occur? Will not occur.</p>

Section 11: Toxicological Information	
LD 50 - ORAL: 7000 mg/kg (Rat)	LD 50 - DERMAL: 8300 mg/kg (Rabbit)
LC 50: 10,400 mg/m ³ 4H (Rat)	
CARCINOGENICITY: The materials in this product are not carcinogenic.	
Environmental Effects: No known significant effects or critical hazards.	
Biodegradability: Not available.	
Section 13: Disposal Considerations	
Steps to be taken upon release or spillage: Flammable liquid. Remove sources of Ignition, ventilate spill area. Wear adequate clothing and respiratory equipment. Prevent entry into sewers and waterways. Absorb with inert material. Remove to closed container for disposal.	
Waste Disposal Method: Landfill absorbed material in a government approved site. Incinerate with approval of environmental authority.	
Section 14: Transport Information	
T.D.G Class: Flammable Liquid, N.O.S Class 3, Pkg II, UN 1993	
TARIFF NUMBER/(H.S. CODE): 3811.21.00.00	
Section 15: Regulatory Information	
WHMIS Class: B2 Flammable, D.2B (Toxic)	
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. This MSDS was prepared in reference to Primary Supplier MSDS, Laboratory test results and analysis in conjunction with LubeCorp's experience and handling with this product.	
Canada Inventory: All products are listed or exempted.	
United States Inventory (TSCA): All components are listed or exempted.	
Section 16: Other Information	
References: Available upon request.	
Date of Issue: Aug 05, 2014	
Responsible: Product Safety – LubeCorp Manufacturing Inc.	
For Copy of MSDS: www.lubecorp.com 1-800-661-6100	

Notice to reader: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state/provincial, and local laws.