

Spectrum Lubricants Corporation  
500 Industrial Park Drive  
Selmer, TN 38375

## MATERIAL SAFETY DATA SHEET

### SECTION 1 -- IDENTIFICATION

Product Trade Name: **Echo Max Performance Bar and Chain Oil**  
Revision Date: **11-14-05**  
Phone Number: **(731) 645-4972**  
Fax Number: **(731) 645-4810**  
E-mail Address: [vswedley@spectrumcorporation.com](mailto:vswedley@spectrumcorporation.com)  
Emergency Number: **800-424-9300 after 5:00 p.m.**  
Chemical Family: **Petroleum Lubricating Oil**

NOTE: Petroleum lubricating oils with a flashpoint above 200°F, are not regulated by D.O.T. standards.

### SECTION 2 -- HAZARDOUS INGREDIENTS

<u>Name</u>	<u>CAS #</u>	<u>Approximate %</u>	<u>Regulatory Agency</u>	<u>Exposure Limit</u>
Performance Additive	proprietary	4-16	OSHA/ACGIH	5mg/m3 Mist
Zinc Alkyldithiophosphate	proprietary	< 1	OSHA/ACGIH	5mg/m3 Mist
Base Oil	64742-52-5	84-95	OSHA/ACGIH	5mg/m3 Mist
Tackifier (carrier base)	64742-52-5	0.5-5.0	OSHA/ACGIH	5mg/m3 Mist

### HMIS/NFPA CODES

Health	Flammability	Reactivity	Protective Equipment
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See Section 6, Chronic Effects, for potential over-exposure hazard.

### SECTION 3 -- PHYSICAL DATA

Vapor Pressure (mmHg) at 20°C: **< 1**  
Specific Gravity at 60°F: **0.88 to 0.90**  
Water Solubility: **Insoluble**  
Boiling Point: **> 650°F**  
Vapor Density (Air=1): **> 1**  
Evaporation Rate (BUAC=1): **0.001**  
Odor: **Mild Hydrocarbon Odor**  
Appearance: **Dark Amber Colored Liquid**  
Viscosity at 100°C CST: **9.3 to 12.5**

### SECTION 4 -- FIRE AND EXPLOSION HAZARDS

Flash Point: **425°F**  
Fire Point: **455°F**  
Extinguishing Media: **Water Fog, Chemical Foam, Dry Chemical Powder, CO2**  
Special Firefighting Procedures: **Cool exposed containers with water spray. Avoid breathing fumes.**  
Unusual Fire and Explosion Hazards: **Pressure increase in over heated closed containers. Cool containers with water spray.**

## SECTION 5 -- REACTIVITY DATA

<b>Stability:</b>	Stable
<b>Incompatibility:</b>	Avoid strong oxidants.
<b>Polymerization:</b>	Will not occur.
<b>Thermal Decomposition:</b>	Partial burning produces fumes, smoke and carbon monoxide.

## SECTION 6 -- HEALTH HAZARD DATA

<b>Inhalation:</b>	Inhalation of fumes may result in dizziness, headache and respiratory irritation.
<b>Eye Contact:</b>	Contact with eyes may cause minimal irritation.
<b>Skin Contact:</b>	Mild irritation may occur with prolonged or repeated contact.
<b>Ingestion:</b>	Slightly toxic. Pulmonary aspiration hazard if vomiting occurs.
<b>TLV:</b>	5mg/m <sup>3</sup> as mist. ACGIH 1984-85.
<b>Chronic Effects:</b>	Product has a low order of acute oral toxicity. Ingredients of this product are <u>not</u> listed as potential carcinogens in N.T.P. <u>Annual Report on Carcinogens</u> , I.A.R.C. <u>Monographs</u> , or by O.S.H.A. HCS (g) (2) (vii).

## SECTION 7 -- SPECIAL PROTECTION INFORMATION

<b>Ventilation Procedure:</b>	Ventilate as needed to comply with exposure limit.
<b>Gloves Protection:</b>	Use impervious gloves to avoid repeated/prolonged skin contact.
<b>Eye Protection:</b>	Use goggles/face shield to avoid eye contact.
<b>Work/Hygienic Practices:</b>	If clothing becomes contaminated, change to fresh clean clothing. Do not wear until thoroughly laundered.

## SECTION 8 -- SPILL OR LEAK PROCEDURES

<b>Spill Procedures:</b>	Remove ignition sources. Recover liquid. Add absorbent to spill area. Ventilate confined spaces. Advise authorities if product enters sewers, etc.
<b>Waste Disposal:</b>	Assure conformity with applicable disposal regulations. Dispose of absorbed material at approved waste site.

## SECTION 9 -- SPECIAL PRECAUTIONS

<b>Handling and Storage Precautions:</b>	Keep containers closed when not in use. Do not handle or store near heat or flames. Use chemical resistant gloves and apron.
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## EMERGENCY FIRST AID PROCEDURES

<b>Skin:</b>	Wash skin with soap and warm water. Wash clothing before re-use.
<b>Eye:</b>	If splashed into eyes flush eyes with clear water for five (5) minutes.

**Inhalation:**

**If overcome by fumes remove from exposure immediately.**

**Oral:**

**If ingested, do not induce vomiting. Call a physician.**



**The data presented herein is based upon tests and information, which we believe to be reliable. However, users should make their own investigations to determine the suitability of the information for their particular purpose.**