

**Product Trade Name: ECHO 2-CYCLE ENGINE OIL 32:1**



## Material Safety Data Sheet

### Section 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Trade Name: ECHO 2-CYCLE ENGINE OIL 32:1**

**Company Identification**

Spectrum Lubricants Corporation  
500 Industrial Park Drive  
Selmer, TN 38375-3276  
United States of America

**Emergency Response**

North America: CHEMTREC (800) 424-9300 after 5:00pm CST  
Or (703) 527-3887

**Health Emergency**

USA: (800) 264-6457 or (731) 645-4972

**Product Information**

MSDS Requests: (800) 264-6457 or (731) 645-4972  
Technical Information: (800) 264-6457 or (731)645-4972  
General Information: [vswedley@spectrumcorporation.com](mailto:vswedley@spectrumcorporation.com)

<b>Product Family</b>	<b>Petroleum Lubricating Oil</b>
<b>CAS Number</b>	<b>Mixture</b>

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

### Section 2 HAZARDS IDENTIFICATION

#### IMMEDIATE HEALTH EFFECTS

<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/m3 as mist. ACGIH 1984-85.
<b>Chronic Effects:</b>	Ingredients of this product are <u>not</u> listed as potential carcinogens in

## Product Trade Name: ECHO 2-CYCLE ENGINE OIL 32:1

N.T.P. Annual Report on Carcinogens, I.A.R.C. Monographs, or by O.S.H.A. HCS (g) (2) (vii).

### Section 3 COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	COMPONENTS	CAS Number	EU Number	Concentration (%)
Benzenesulfonic acid, propenated, calcium salt, overbased	Performance Additive Mixture	68610-84-4	271-877-7	1.0 – 3.0
Benzenesulfonic acid, C10-60-alkyl derivs., calcium salts		90194-636-7	290-636-7	
Phenol, 2,2'-polythiobis[4-C8-30-alkyl derivs., calcium salts, overbased		90480-91-4	291-829-9	
Distillates (petroleum), hydrotreated light	Solvent	64742-47-8	265-149-8	5-10
Distillates (petroleum), hydrotreated heavy paraffinic	Base Oil	64742-54-7	265-157-1	82-92
N,N'-di-sec-butyl-p-phenylenediamine	Fuel Stabilizer	101-96-2	202-992-2	<0.3

Note that the chemical identity of some or all of the above components is considered confidential business information and is being withheld as permitted by 29CFR 1910.1200 and various State Right-To-Know Laws.

### Section 4 FIRST AID MEASURES

**Skin:** Wash skin with soap and warm water. Wash clothing before re-use.  
**Eye:** If splashed into eyes flush eyes with clear water for five (5) minutes.  
**Inhalation:** If overcome by fumes remove from exposure immediately.  
**Ingestion:** If ingested, do not induce vomiting. Call a physician.

### Section 5 FIRE FIGHTING MEASURES

#### PROTECTION OF FIRE FIGHTERS:

##### Fire Fighting Instructions:

For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self contained breathing apparatus.

**Extinguishing Media:** Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames.

## Product Trade Name: ECHO 2-CYCLE ENGINE OIL 32:1

**Special Firefighting Procedures:** Cool exposed containers with water spray.  
**Unusual Fire and Explosion Hazards:** Pressure increase in over heated closed containers. Cool containers with water spray.

### Section 6 ACCIDENTAL RELEASE MEASURES

**Spill Procedures:** Remove ignition sources. Recover Liquid. Add absorbent to spill area. Ventilate confined spaces. Advise authorities if product enters sewers, etc.

**Waste Disposal:** Assure conformity with applicable disposal regulations. Dispose of absorbed material at approved waste site.

#### **Precautionary Measures:**

Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Wash thoroughly after handling.

Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

### Section 7 HANDLING AND STORAGE

#### **General Storage Information:**

Keep container closed when not in use. Do not store with strong oxidizing agents. Do not store at elevated temperatures.

#### **Container Warnings:**

Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

### Section 8 EXPOSURE CONTROLS/ PERSONAL PROTECTION

COMPONENTS	Regulatory Agency	Exposure Limit
Performance Additive Mixture	OSHA/ACGIH	5mg/m3 Mist
Solvent	OSHA/ACGIH	5mg/m3 Mist
Base Oil	OSHA/ACGIH	5mg/m3 Mist
Fuel Stabilizer	OSHA/ACGIH	Not Established

**Ventilation Procedure:** Ventilate as needed to comply with exposure limit.

## Product Trade Name: ECHO 2-CYCLE ENGINE OIL 32:1

- Gloves Protection:** Use impervious gloves to avoid repeated/prolonged skin contact.
- Eye Protection:** Use goggles/face shield to avoid eye contact.
- Work/Hygienic Practices:** If clothing becomes contaminated, change to fresh clean clothing. Do not wear until thoroughly laundered.

### Section 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Vapor Pressure (mmHg) at 20°C:</b>	<b>&lt;1</b>
<b>Specific Gravity at 60°F:</b>	<b>0.93</b>
<b>Water Solubility:</b>	<b>Negligible</b>
<b>Boiling Point:</b>	<b>600+°F</b>
<b>Vapor Density (Air=1):</b>	<b>&gt; 5</b>
<b>Evaporation Rate (BUAC=1):</b>	<b>&lt; 1</b>
<b>Odor:</b>	<b>Mild Petroleum Odor</b>
<b>Appearance:</b>	<b>Green Color Liquid</b>
<b>Viscosity at 100°C CST:</b>	<b>9.1 (typical)</b>
<b>V.O.C.</b>	<b>38 - 78 g/L</b>
<b>Flash Point</b>	<b>240°F</b>
<b>Fire Point</b>	<b>265°F</b>

### Section 10 STABILITY AND REACTIVITY

- Stability:** Stable
- Incompatibility:** Avoid strong oxidants
- Polymerization:** Will not occur
- Thermal Decomposition:** Partial burning produces fumes, smoke and carbon monoxide.

### Section 11 TOXICOLOGY INFORMATION

Not established

### Section 12 ECOLOGICAL INFORMATION

Not established

### Section 13 DISPOSAL CONSIDERATIONS

- Waste Disposal:** Assure conformity with applicable disposal regulations. Dispose of absorbed material at approved waste site.

**Product Trade Name: ECHO 2-CYCLE ENGINE OIL 32:1**

**Section 14 TRANSPORTATION INFORMATION**

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

**Section 15 REGULATORY INFORMATION**

**Chronic Effects:** Ingredients of this product are not listed as potential carcinogens in N.T.P. Annual Report on Carcinogens, I.A.R.C. Monographs, or by O.S.H.A. HCS (g) (2) (vii).

**Section 16 OTHER INFORMATION**

Risk Phrases

<b>R37</b>	<b>Inhalation:</b>	Inhalation of fumes may result in dizziness, headache and respiratory irritation.
<b>R36</b>	<b>Eye Contact:</b>	Contact with eyes may cause minimal irritation.
<b>R38</b>	<b>Skin Contact:</b>	Mild irritation may occur with prolonged or repeated contact.
<b>R22</b>	<b>Ingestion:</b>	Slightly toxic. Pulmonary aspiration hazard if vomiting occurs.

*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.*