

**Product Trade Name: Shindaiwa 2-CYCLE ENGINE OIL 40:1 and
50:1**



Material Safety Data Sheet

Section 1 PRODUCT AND COMPANY IDENTIFICATION

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

Product Family **Petroleum Lubricating Oil**
CAS Number **Mixture**

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

Section 2 COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS	CAS Number	Concentration (%)	Regulatory Agency	Exposure Limit
Performance Additive Mixture	68610-84-4 90194-636-7 90480-91-4	7-13	OSHA/ACGIH	5mg/m3 Mist
Viscosity Modifier	Mixture	<0.5	OSHA	5mg/m3 Mist
Solvent	8052-41-3	8-13	OSHA/ACGIH	5mg/m3 Mist
Base Oil	64742-54-7	85-90	OSHA/ACGIH	5mg/m3 Mist
Blue Dye	1330-20-7	< 0.5	OSHA/ACGIH	100 ppm HrTWA

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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.

HMIS/NFPA RATINGS:			
Health:	Flammability:	Reactivity:	Protective Equipment:
1	1	0	C,D,H

See Section 6, Chronic Effects, for potential over-exposure hazard.

CAUTION:

Hot oil can cause thermal burns on contact.

Used motor oil has been associated with skin cancer in laboratory animals following extended contact.

Spills may create a slipping hazard.

Section 3 PHYSICAL DATA

Vapor Pressure (mmHg) at 20°C:	<1
Specific Gravity at 60°F:	0.88
Water Solubility:	Negligible
Boiling Point:	600+°F
Vapor Density (Air=1):	> 5
Evaporation Rate (BUAC=1):	< 1
Odor:	Mild Petroleum Odor
Appearance:	Dark Blue Color Liquid
Viscosity at 100°C CST:	9.3 (typical)
V.O.C.	62 – 101 g/L

Section 4 FIRE AND EXPLOSION HAZARDS

FLAMMABLE PROPERTIES:

Flash Point: 210°F

Fire Point: 245°F

Extinguishing Media: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

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.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions:

For fires involving this material, do not enter any enclosed or confined fire space without proper protective

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equipment, including self contained breathing apparatus.

Section 5 REACTIVITY DATA

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

Section 6 HEALTH HAZARD DATA

IMMEDIATE HEALTH EFFECTS

Inhalation:	Inhalation of fumes may result in dizziness, headache and respiratory irritation.
Eye Contact:	Contact with eyes may cause minimal irritation.
Skin Contact:	Mild irritation may occur with prolonged or repeated contact.
Ingestion:	Slightly toxic. Pulmonary aspiration hazard if vomiting occurs.
TLV:	5mg/m3 as mist. ACGIH 1984-85.
Chronic Effects:	This product may contain ingredients that are 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

Ventilation Procedure:	Ventilate as needed to comply with exposure limit.
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 8 SPILL OR LEAK PROCEDURES

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.

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Section 9 SPECIAL PRECAUTIONS:

Precautionary Measures:

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

General Handling Information:

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

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 10 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 11 Regulatory Information

California Proposition 65:

This material may contain the following components which are known to the State of California to cause cancer, birth defects or other reproductive harm, and may be subject to the requirements of California Proposition 65 (CA Health & Safety Code Section 25249.5): 0.00015% Benzene, CAS no. 71-43-2, 0.008% Toluene, CAS no. 108-88-3

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.