



Material Safety Data Sheet

Section 1 PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: ALCO'S HD30 weight 4-Stroke Engine Oil

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 HAZARDS IDENTIFICATION

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

Product Trade Name: ALCO'S HD30 4-Stroke Engine Oil

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 3 COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	CAS Number	EU Number	Concentration (%)
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	265-090-8	60-100
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	265-157-1	30-60
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	68649-42-3	272-028-3	0.1-1
Toluene	108-88-3	203-625-9	<0.1

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 (CO₂) to extinguish flames.

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
Petroleum distillates, solvent-refined heavy paraffinic	OSHA/ACGIH	5mg/m3 Mist
Petroleum distillates, hydrotreated heavy paraffinic	OSHA/ACGIH	5mg/m3 Mist
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	OSHA/ACGIH	
Toluene	OSHA/ACGIH	200ppm/20ppm

Product Trade Name: ALCO'S HD30 4-Stroke Engine Oil

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 9 PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure (mmHg) at 20°C:	< 1
Specific Gravity at 60°F:	0.88 to 0.90
Water Solubility:	Insoluble
Boiling Point:	> 750°F
Vapor Density (Air=1):	> 1
Evaporation Rate (BUAC=1):	0.001
Odor:	Mild Hydrocarbon Odor
Appearance:	Light to Dark Amber Colored Liquid
Viscosity at 100°C CST:	9.3 to 12.5
Flash Point	425°F
Fire Point	455°F

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

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

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

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): 0.008% Toluene, CAS no. 108-88-3

Section 16 OTHER INFORMATION

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.