

Product Trade Name: Arnold 5w-30 SJ Engine Oil

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 200oF, are not regulated by D.O.T standards.

Section 2 COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS CAS Number Concentration  
(%)

Regulatory

Agency

Exposure Limit

Base Oils (mixture) 64742-54-7 80-90 OSHA/ACGIH 5mg/m3 Mist  
Performance Additive proprietary 8-17 OSHA/ACGIH 5mg/m3 Mist  
Pour Depressant mixture < 2 OSHA/ACGIH 5mg/m3 Mist  
Zinc Alkyldithiophosphate proprietary < 1 OSHA/ACGIH 5mg/m3 Mist

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.

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HMIS/NFPA RATINGS:

Health: Flammability: Reactivity: Protective Equipment:  
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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 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

Section 4 FIRE AND EXPLOSION HAZARDS

Flammability Classification:

OSHA Classification(29CFR 1910.1200): Combustible liquid.  
NFPA Class IIIIB combustible material. Slightly combustible.

FLAMMABLE PROPERTIES:

Flash Point: 375°F  
Fire Point: 410°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.  
Unusual Fire and Explosion Hazards: Pressure increase in over heated closed containers. Cool containers with water spray.  
Auto ignition: No Data Available.  
Flammability (Explosive) Limits (% by No Data Available. volume in air):

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.

Combustion Products:

Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion. Combustion may form oxides of : sulfur, nitrogen, phosphorus, zinc.

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: 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 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 9 SPECIAL PRECAUTIONS:

Precautionary Measures:

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

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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.

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.

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