**Product Trade Name: Sta-Mix Two cycle engine oil 32 to 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 | Proprietary | 1.5-8.0 | OSHA/ACGIH | 5mg/m3 Mist |
| Solvent | 8052-41-3 | 5-10 | OSHA/ACGIH | 5mg/m3 Mist |
| Base Oil | 64742-54-7 | 82-92 | OSHA/ACGIH | 5mg/m3 Mist |
| Green Dye | 1330-20-7 | < 0.5 | OSHA/ACGIH | 100 ppm HrTWA |

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:** | **0.93** |
| **Water Solubility:** | **Negligible** |
| **Boiling Point:** | **600+°F** |
| **Vapor Density (Air=1):** | **> 1** |
| **Evaporation Rate (BUAC=1):** | **< 1** |
| **Odor:** | **Mild Petroleum Odor** |
| **Appearance:** | **Green Color Liquid** |
| **Viscosity at 100°C CST:** | **9.1 (typical)** |
| **V.O.C.** | **38 – 78 g/L** |

## Section 4 FIRE AND EXPLOSION HAZARDS

### FLAMMABLE PROPERTIES:

**Flash Point:** 240°F

**Fire Point:** 265°F

**Extinguishing Media:** Use water fog, foam, dry chemical or carbon dioxide ($CO_2$) 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 equipment, including self contained breathing apparatus.

## Section 5 REACTIVITY DATA

**Stability:** Stable

| | |
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| **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 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. |

## 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.

***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.***