

A Division of

Material Safety Data Sheet South West Lubricants, Inc. RS010, RS530, RS1030, RS1040, RS1550

Last updated: August 2014

1. **Product and Company Identification**

Product Trade Name CAS Number Generic Chemical Name Product Type MSDS No.

RS010, RS020, RS520, RS530, RS1030, RS1040, RS1550 Not applicable for mixtures Ester Based Synthetic Oil (N.O.S.) 4-Cycle Engine Oil 39-13901

2. **Composition/Information on Ingredients**

Common Name	Chemical Name	CAS No.	Range (%)
Synthetic Base Oil (N.O.S.)		Confidential	80-100
Zinc dialkyl dithiophosphate		Confidential	<5
Proprietary organosulfur-phos	ohorous compound	Confidential	<5
Multi-functional additive mixtu	e	Confidential	10-20

3. **Hazards Identification**

EMERGENCY OVERVIEW

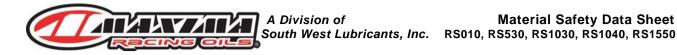
Under normal conditions of use, this product is not considered hazardous according to regulatory guidelines. Amber Liquid. DOT ERG No.: NA

IMMEDIATE HEALTH EFFECTS

Eye	Not expected to cause prolonged or significant eye irritation.
Skin	Contact with the skin is not expected to cause prolonged or significant
	irritation.
Ingestion	Not expected to be harmful if swallowed.
Inhalation	Not expected to be harmful if inhaled.

First Aid Measures 4.

Eye	No specific first aid measures are required because this material is not expected to cause eye irritation. As a precaution, remove contact lenses, if worn, and flush eyes with water.
Skin	No specific first aid measures are required because this material is not expected to be harmful if it contacts the skin. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.
Ingestion	No specific first aid measures are required because this material is not expected to be harmful if swallowed. Do not induce vomiting. As a precaution, give the person a glass of water or milk to drink and get medical advice. Never give anything by mouth to an unconscious person.
Inhalation	No specific first aid measures are required because this material is not expected to be harmful if inhaled. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.



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5. Fire Fighting Measure	es				
FIRE CLASSIFICATION: OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.					
NFPA RATINGS	Health: 0 Flammability: 1 Reactivity: 0				
FLAMMABLE PROPERTIES: Flash Point Autoignition Flammability (Explosive) Lim	: (Cleveland Open Cup) 378°F (190°C) (Min) NDA mits (% by volume in air) Lower: ND Upper: ND				
EXTINGUISHING MEDIA	Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.				
PROTECTION OF FIRE FIGH Fire Fighting Instructions Combustion Products	TERS: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus. 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.				
6. Accidental Release M	leasures				
Protective Measures Spill Management	Stop the sourc to prevent furth up spill as soor Controls/Perso non-combustib appropriate, re	e of the release if you her contamination of s n as possible, observi onal Protection. Use a le absorbent material move contaminated s	cinity of spilled material. can do it without risk. Contain release coil, surface water or groundwater. Clean ng precautions in Exposure appropriate techniques such as applying s or pumping. Where feasible and coil. Place contaminated materials in of in a manner consistent with applicable		

7. Handling and Storage

- **Handling** Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water. Wear recommended protective equipment. Practice good personal hygiene after handling.
- **Storage** Store in closed containers of proper construction. Store away from sources of ignition and in areas of good ventilation. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.



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8. Exposure C	Controls/Personal Protection
Exposure Limits	TLV = 5 mg/m ³ as oil mist
Ventilation	Use in areas of adequate ventilation. Use mechanical exhaust to control vapors or mists.
Gloves	Use nitrile or neoprene gloves.
Eye Protection	Safety glasses, goggles or face shield are recommended.
Respiratory	Use NIOSH/MSHA approved respirator with organic vapor cartridge and dust/mist cartridge is recommended if exposure limit is exceeded. Self-contained breathing apparatus is recommended for confined space entry.
Clothing	Long sleeve shirt and apron when potential for skin contact. Wear neoprene or nitrile rubber boots when necessary to avoid contaminating shoes.
9. Physical and	d Chemical Properties

Appearance and Odor	Liquid, Amber color, Slight petroleum odor		
рН	NA		
Vapor Pressure	<0.01 mmHg @ 100°F		
Vapor Density (Air = 1)	>1		
Boiling Point	ND		
Solubility	Soluble in hydrocarbons; insoluble in water		
Freezing Point	NA		
Melting Point	NA		
Specific Gravity	0.85 - 0.87 @ 15.6 °C		
Volatile Organic			
Compounds (VOC)	<5.0% weight (Approximate)		
Viscosity (40°C)	24.1 cSt (RS010) – ND cSt (RS020) – 33.9 cSt (RS520) – 52.9 cSt (RS530)		
	78.0 cSt (RS1030) – 82.2 cSt (RS1040) – 116.8 cSt (RS1550)		

10. Stability and Reactivity Data			
Chemical Stability This material is considered stable under normal ambient and anticipated storage handling conditions of temperature and pressure.			
Incompatibility With Other Materials		May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.	
Hazardous Decomposition Products		None known (None expected)	
Hazardous Polymerization		Hazardous polymerization will not occur.	



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11. Toxicological Information		
Eye Irritation	Not expected to cause eye irritation	
Skin Irritation	Not expected to be a primary skin irritant. Prolonged or repetitive contact may cause irritation.	
Acute Oral Toxicity	Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea and abdominal pain.	
Carcinogenic	This material has not been identified as a carcinogen by NTP, IARC or OSHA.	
Genetic Toxicity	This product gave negative results in the following mutagenicity assays: Microbial/Microsome Reverse Mutation Assay.	
ADDITIONAL TOXICO	LOGY INFORMATION This product contains petroleum and/or synthetic ester base oils which may be	

refined by various processes including severe solvent extraction, severe hydrocracking, severe hydrotreating or chemical reaction. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

12. **Ecological Information**

This material is expected to have marginally adverse affects on marine and plant life. Spills may contaminate drinking water. This material is expected to be inherently biodegradable.

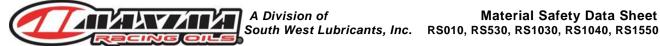
13. **Disposal Considerations**

Disposal Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Consult federal, state and local regulations regarding disposal methods. Do not contaminate oil with solvents or other chemicals.

14. **Transport Information**

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Name	NOT REGULATED AS A HAZARDOUS MATERIAL FOR
	TRANSPORTATION UNDER 49 CFR
DOT Hazard Class	NOT APPLICABLE
DOT Identification Number	NOT APPLICABLE
DOT Packing Group	NOT APPLICABLE



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15. **Regulatory Information**

TSCA All components of this material are listed on the TSCA inventory or are exempt.

SARA 311/312

- 1) Immediate (Acute) Health Effects NO
- 2) Delayed (Chronic) Health Effects NO
- 3) Fire Hazard NO
- 4) Sudden Release of Pressure Hazard NO
- 5) Reactivity Hazard
- **SARA 313** This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list.

NO

CAL PROP 65 Not listed

RCRA Not listed

CERCLA Listed

16. **Other Information**

NFPA RATINGS	Health: 0	Flammability: 1	Reactivity: 0
HMIS RATINGS	Health: 1	Flammability: 1	Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.