



# SYN BLEND ESTER

Released: 2017-06-26

Version: 1.2  
Revision Date: 2018-03-13

## 1. IDENTIFICATION OF THE SUBSTANCE / APPLICATION AND THE COMPANY

### 1.1 Product Identifier

**Trade Name:** Syn Blend 10W-30, 10W-40, 15W-50, 20W-50  
**Product Number:** 30-32901B, 30-329128B, 30-32505B, 30-32960B, 30-32055B, 34901B, 349128B, 34505B, 30-34960B, 34055B, 36901B, 369128B, 36505B, 30-36960B, 36055B, 35901B, 359128B, 35505B, 30-35960B, 35055B

### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

**Product Use:** 4T Engine Oil

**Restrictions on Use:** None known

### 1.3 Details of the Supplier of the Safety Data Sheet

**Manufacturer:** Maxima Racing Oils  
9266 Abraham Way  
Santee, CA 92071  
USA  
**Information Phone Number:** +1 619 449 5000  
**E-mail:** info@maximausa.com

### 1.4 Emergency Telephone Number

**Emergency Spill Information:** In USA: CHEMTREC +1 703 527 3887 (24 hours)  
Outside USA: +1 619 449 5000

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the Substance or Mixture

#### CLP (1272/2008) Classification:

The mixture is not classified as hazardous according to Regulation (EC) CLP (1272/2008)

### 2.2 Label Elements

Hazard Statements	Precautionary Phrases
None	None

EUH Statements
None

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixture

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Chemical Name	CAS#	EINECS#	REACH registration#	CLP Classification	% w/w
Petroleum distillates <sup>1</sup>	64742-54-7	265-157-1	01-2119484627-25-xxxx	Aspiration Toxicity 1 (H304)	30-50
Synthetic base oils	68037-01-4	500-183-1	01-2119486452-34-xxxx	Aspiration Toxicity 1 (H304)	30-50
Zinc Alkyldithio-phosphate <sup>1</sup>	84605-29-8	283-392-8	01-2119493626-26-xxxx	Skin Irritation 2 (H315) Eye Damage 1 (H318) Aquatic Chronic 2 (H411)	>1-< 2.5

Note L. The substance contains less than 3 % DMSO extract as measured by IP 346, and does not need to be classified as a carcinogen.

Note 1. This substance has specific concentration limits such that classification as H318 applies if the concentration is above 12.5%, classification as H319 applies if the concentration is above 10% (but below 12.5%).

The exact percentage and composition are being withheld as a trade secret.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of First Aid Measures

**Eye:** Flush eyes with water for several minutes, holding the eyelids open. Remove contact lenses, if present and easy to do so. If eye irritation persists, get medical attention.

**Skin:** Wash skin with soap and water. Remove clothing and shoes if contaminated. Launder clothing before reuse.

**Inhalation:** If inhaled remove to fresh air. If irritation or difficulty in breathing occurs, get medical attention.

**Ingestion:** If conscious, rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

**4.2 Most important symptoms and effects, both acute and delayed:** Causes eye irritation. Prolonged skin contact may cause irritation. Inhalation of vapors or mists may cause respiratory irritation. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**4.3 Indication of any immediate medical attention and special treatment needed:** Immediate medical attention is not required.

## SECTION 5: FIRE AND EXPLOSION DATA

**5.1 Extinguishing Media:** Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames.



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### 5.2 Special Hazards Arising from the Substance or Mixture

**Unusual Fire and Explosion Hazards:** This material will burn although it is not easily ignited.

**Combustion Products:** Combustion will produce carbon and zinc oxides and unidentified organic compounds.

### 5.3 Advice for Fire-Fighters:

**Special Fire Fighting Procedures:** Firefighters should wear full emergency equipment and an approved positive pressure self-contained breathing apparatus. Cool exposed intact containers with water. Contain water used in firefighting from entering sewers or natural waterways.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Wear appropriate protective equipment. Wash thoroughly after handling. See also: "Personal Protection" section 8.

### 6.2 Environmental Precautions:

Avoid release into the environment. Report spill as required by local and federal regulations.

### 6.3 Methods and Material for Containment and Cleaning Up:

Dike spill and collect with an inert absorbent. Place into closable containers for disposal. Collected material is handled in accordance with section 13 "Disposal Considerations".

**6.4 Reference to Other Sections:** Refer to Section 8 for personal protective equipment and Section 13 for disposal information.

## SECTION 7: HANDLING AND STORAGE

**7.1 Precautions for Safe Handling:** Avoid contact with eyes and prolonged or repeated contact with skin and clothing. Avoid breathing vapors and mists. Wash thoroughly after handling. Remove oil-soaked clothing and launder before re-use.

**7.2 Conditions for Safe Storage, Including any Incompatibilities:** Store in a cool area away from oxidizing agents. Protect containers from physical damage.

**7.3 Specific end use(s):** None specified



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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control Parameters:** Refer to country-specific legislation for specific requirements where not listed below.

Chemical Name	Exposure Limits
Petroleum Distillates	5 mg/m <sup>3</sup> TWA ACGIH TLV (inhalable) (as mineral oil) Denmark: 1 mg/m <sup>3</sup> TWA, 2 mg/m <sup>3</sup> STEL (as oil mist, mineral) Spain: 5 mg/m <sup>3</sup> TWA, 10 mg/m <sup>3</sup> STEL (as oil mist, mineral) Sweden: 1 mg/m <sup>3</sup> TWA, 3 mg/m <sup>3</sup> STEL (as oil mist, mineral)
Zinc alkyldithiophosphate	2 mg/m <sup>3</sup> TWA (inhalable fraction, 4 mg/m <sup>3</sup> STEL Germany DFG (as zinc inorganic compounds)

### 8.2 Exposure Controls:

**Appropriate Engineering Controls:** Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions. If exposures are excessive, increased mechanical ventilation such as local exhaust may be required.

**Respiratory Protection:** If the exposure limits are exceeded, an approved organic vapor respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with local regulations and good industrial hygiene practice.

**Skin Protection:** Wear impervious gloves in accordance with EN 374 to avoid skin contact. Protective clothing if needed to avoid skin contact and contamination of personal clothing. Suitable washing should be available in the work area. Contaminated clothing should be removed and laundered before re-use.

**Eye Protection:** Wear chemical safety glasses or goggles in accordance with EN 166 to prevent eye contact.

**Other Protective Equipment:** None should be needed under normal use conditions. In Europe follow EN 13034.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic Physical and Chemical Properties

<b>Appearance</b>	Liquid
<b>Color</b>	Amber
<b>Odor</b>	Slight petroleum odor
<b>Odor Threshold</b>	No data available
<b>pH</b>	No data available
<b>Freezing Point</b>	No data available
<b>Boiling Point</b>	No data available



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<b>Flash Point</b>	378°F / 190°C (COC)
<b>Evaporation Rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Upper Explosion Limit</b>	No data available
<b>Lower Explosion Limit</b>	No data available
<b>Vapor Pressure</b>	<0.01 mmHg @ 100°F
<b>Vapor Density (Air=1)</b>	>1
<b>Relative Density</b>	0.85-0.87 @ 15.6°C
<b>Solubility</b>	Soluble in alcohols and hydrocarbons; insoluble in water
<b>Partition Coefficient: n-octanol/water</b>	No data available
<b>Auto Ignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Volatile Organic Compounds (VOC)</b>	0%
<b>Viscosity</b>	>20.5 cSt @40°C

**9.2 Other Information:** None available

### SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity:** Not expected to be reactive

**10.2 Chemical Stability:** Stable

**10.3 Possibility of Hazardous Reactions:** None known.

**10.4 Conditions to Avoid:** None known.

**10.5 Incompatible Materials:** Avoid contact with strong oxidizing agents.

**10.6 Hazardous Decomposition Products:** Thermal decomposition may produce carbon oxides and unidentified organic compounds.

### SECTION 11: TOXICOLOGICAL INFORMATION

**11.1 Information on Toxicological Effects:**

**Potential Health Effects:**

**Eye Contact:** Causes irritation with redness, tearing and pain.

**Skin Contact:** Prolonged or repeated contact may cause mild irritation or dryness. Repeated skin contact may cause dermatitis.



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**Inhalation:** Excessive inhalation of vapors or mists may cause upper respiratory tract irritation and central nervous system effects including headache, dizziness and nausea. Breathing high concentrations of oil mists may cause lung damage.

**Ingestion:** Swallowing large amounts may cause gastrointestinal effects including nausea and diarrhea.

**Acute Toxicity Values:**

Petroleum Distillates: Oral rat LD50 >5000 mg/kg, Dermal rabbit LD50 >2000 mg/kg

Zinc alkyldithiophosphate: Oral rat LD50 3100 mg/kg, Inhalation rat LC50 >2.3 mg/L/4 hr, Dermal rabbit LD50 >2002 mg/kg

**Skin corrosion/irritation:** Product is not classified as a skin irritant.

**Eye damage/irritation:** Product is not classified as an eye irritant.

**Respiratory Irritation:** No data available for mixture. Components are not respiratory irritants.

**Respiratory Sensitization:** No data available for mixture. Components are not respiratory sensitizers.

**Skin Sensitization:** No data available for mixture. Components are not skin sensitizers.

**Germ Cell Mutagenicity:** No data available for mixture. Components are not germ cell mutagens.

**Carcinogenicity:** None of the components of this product present at 0.1% or greater are listed as carcinogens by IARC, NTP or the EU CLP.

**Reproductive Toxicity:** Product is not classified as toxic to reproduction.

**Aspiration Hazard:** Product does not meet the criteria for being classified as an aspiration hazard based on the viscosity.

**Specific Target Organ Toxicity:**

Single Exposure: No data available

Repeat Exposure: No data available



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### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 Toxicity

Petroleum Distillates: 96 hr LL50 fish >100 mg/L, 48 hr EL50 daphnia magna >100 mg/L, 72 hr EL50 green algae >100 mg/L

Zinc alkyldithiophosphate: 96 hr LL50 Oncorhynchus mykiss 4.5 mg/kg, 48 hr EL50 daphnia magna 23 mg/L, 72 hr EL50 21 mg/L

**12.2 Persistence and Degradability:** Petroleum distillates is inherently biodegradable

**12.3 Bioaccumulative Potential:** Petroleum distillates has the potential to bioaccumulate

**12.4 Mobility in Soil:** No data available.

**12.5 Results of PBT and vPvB Assessment:** Components do not meet the criteria of PBT or vPvB.

**12.6 Other Adverse Effects:** None known

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste Treatment Methods:

Dispose in accordance with all local, state and national regulations.

### SECTION 14: TRANSPORTATION INFORMATION

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT		Not Regulated			
Canadian TDG		Not Regulated			
EU ADR/RID		Not Regulated			
IMDG		Not Regulated			
IATA/ICAO		Not Regulated			

**14.6 Special Precautions for User:** Not applicable

**14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable – product is transported only in packaged form



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## SECTION 15: REGULATORY INFORMATION

### 15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:

This SDS conforms to Regulation (EU) No. 1907/2006 and 2015/830.  
Label in accordance with Regulation (EC) No. 1272/2008 (CLP).

## SECTION 16: OTHER INFORMATION

**Supersedes:** Version 1.1  
**Date Updated:** December 21, 2017  
**Revision Summary:**  
6/26/17: New document  
12/21/17: Updated emergency telephone #  
3/13/18: Added 10W-30, 60L keg P/N's

**GHS Classification for Reference (See Sections 2 and 3):**  
Eye Irrit. 2 Eye Irritant Category 2  
Aquatic Chronic 3 Harmful to aquatic life with long-lasting effects Category 3

H318 Causes serious eye damage.  
H412 Harmful to aquatic life with long-lasting effects

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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.