



# SAFETY DATA SHEET

Conforms to 1910.1200  
Issued: April 27, 2017

## SAE 10W-30 SENTINEL PROPANE ENGINE OIL

### 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** SAE 10W-30 Sentinel Propane Engine Oil **Product Number:** MP507700  
**Recommended Use:** Small engine oil  
Ready to Use.  
Product intended for commercial and industrial use.  
**Uses Advised Against:** Other than per labelled instructions

#### **Supplier Address:**

Amano Pioneer Eclipse Corporation  
P.O. Box 909  
1 Eclipse Road  
Sparta, NC 28675  
Telephone: 1-336-372-8080  
Email: sds@pioneereclipse.com  
Internet: www.pioneereclipse.com

**FOR CHEMICAL EMERGENCY:** Spill, Leak, Fire, Exposure or Accident. Call CHEMTREC Day or Night.  
Within USA and Canada 1-800-424-9300. Outside USA and Canada 1-703-527-3887 (collect calls accepted)

### 2: HAZARDS IDENTIFICATION

**Classification:** Not classified as hazardous; as determined by OSHA 1910.1200.  
**Signal Word:** None  
**Pictogram:** None  
**Hazard Statements:** None  
**Precautionary Statements:** None  
**Other Hazards:** None  
**Supplemental Information:** None

### 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Weight % *
benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	1 - 5

\* Concentration shown as a range is to protect confidentiality or is due to batch variation.

### 4: FIRST AID MEASURES

#### **DESCRIPTION OF FIRST AID MEASURES**

**Eye Contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.  
**Skin Contact:** Flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation occurs.  
**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, seek medical attention.  
**Ingestion:** Wash out mouth with water. Do not induce vomiting. Seek medical attention.

#### **MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

**Eye Contact:** None expected under normal use.  
**Skin Contact:** None expected under normal use.  
**Inhalation:** None expected under normal use.  
**Ingestion:** None expected under normal use.

#### **INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

Treat symptomatically.

### 5: FIRE-FIGHTING MEASURES

**Suitable Extinguishing media:** Use an extinguishing agent suitable for the surrounding fire.  
**Specific Hazards:** In a fire or if heated, a pressure increase will occur and the container may burst.



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**Protective Equipment and Precautions:**

Follow all general fire safety guidelines. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:**

Put on personal protective equipment (see Section 8). Keep spectators away. Floors may be slippery: use care to avoid falling.

**Environment Precautions:**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**CONTAINMENT AND CLEAN-UP**

**Spills:** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

**7: HANDLING AND STORAGE**

**Precautions for Safe Handling:**

Avoid contact with used product. Do not reuse container. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

**Conditions for Safe Storage:**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

**Other Information:**

Keep out of reach of children.

**8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Limits:**

Under conditions which may generate mists, the following exposure limits are recommended:

ACGIH TLV	TWA	STEL
	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>

**Engineering Controls:**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Use local ventilation and other engineering controls to maintain airborne contaminants below established and recommended exposure limits. If this product contains ingredients with exposure limits, monitoring may be required to determine the effectiveness of ventilation and other control measures.

**Environmental Controls:**

Emissions from ventilation or work process equipment should be checked to ensure compliance with the requirements of environmental protection legislation.

**Personal Protective Equipment (PPE)**

**Eye/Face Protection:**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side shields.

**Skin Protection:**

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Respiratory Protection:**

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.



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**Hygiene Measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** amber liquid  
**Odor:** mild hydrocarbon  
**Odor Threshold:** data not available  
**pH:** data not available  
**Freezing Point:** -40 to -39°C (-40 to -38.2°F)  
**Boiling Point:** data not available  
**Flash Point:** 232 to 246°C (449.6 to 474.8°F) [Open Cup]  
**Evaporation Rate:** data not available  
**Flammability (solid/gas):** not applicable to liquids  
**Upper/Lower Flammability limits:** data not available  
**Vapor Pressure:** data not available  
**Vapor Density:** data not available  
**Relative Density:** 0.856  
**Solubility:** data not available  
**Partition Coefficient:** data not available  
**Auto Ignition temperature:** data not available  
**Decomposition Temperature:** data not available  
**Viscosity:** Kinematic: 0.103 to 0.145 cm<sup>2</sup>/s (10.3 to 14.5 cSt) (100°C)  
Kinematic: 0.668 to 0.966 cm<sup>2</sup>/s (66.8 to 96.6 cSt) (40°C)  
**VOC:** data not available

**10: STABILITY AND REACTIVITY**

**Reactivity:** No specific test data related to reactivity available for this product or its ingredients.  
**Stability:** Stable under normal conditions  
**Hazardous reactions:** Under normal conditions of storage and use, hazardous reactions will not occur.  
**Conditions to avoid:** None known  
**Incompatible materials:** Oxidizing materials. Do not mix with other chemicals unless stated on the product label.  
**Hazardous decomposition products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**11: TOXICOLOGICAL INFORMATION**

**Acute Toxicity:** Not determined on product.

**COMPONENT INFORMATION**

Component	LD50 Oral-Rat (mg/kg)	LD50 Dermal - Rabbit (µl/kg)	LC <sub>50</sub> Inhalation-Rat (mg/m <sup>3</sup> )
benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	>5000	data not available	data not available

**LOCAL EFFECTS**

**Skin contact:** May cause mild irritation.  
**Eye contact:** May cause mild irritation.  
**Sensitization:** None expected  
**Chronic effects:** None expected

**SPECIFIC EFFECTS**

**Carcinogenicity:** No known significant effects or critical hazards.  
**Reproductive effects:** No known significant effects or critical hazards.  
**Teratogenicity:** No known significant effects or critical hazards.  
**Mutagenicity:** No known significant effects or critical hazards.



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**12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** Ecological testing has not been completed on the mixture.

**Persistence and Degradability:** Data not available.

**Bioaccumulative Potential:**

Component	LogP <sub>ow</sub>	BCF	Potential
benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	5.1	1730	high

**Mobility in Soil:** Data not available.

**Other Adverse Effects:** No known significant effects or critical hazards.

**13: DISPOSAL CONSIDERATIONS**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**14: TRANSPORT INFORMATION**

This product is not regulated for transportation.

**UN Number:** None

**UN Proper Shipping Name:** None

**Hazard Class:** None

**Packing Group:** None

**Marine Pollutant:** None

**Transport in Bulk:** N/A

**Other Information:** None

**15: REGULATORY INFORMATION**

**U.S. REGULATIONS/REPORTING:** Components not subject to reporting (SARA 302/304, 313, CERCLA)

**STATE RIGHT-TO-KNOW STATUS:** Components are not subject to State RTK listing (MA, NY, NJ, PA)

**CALIFORNIA PROPOSITION 65:** Components are not present on CA Prop 65 listing.

**CANADA REGULATIONS/REPORTING:**

This product has been classified in accordance with the hazard criteria of the Hazardous Product Regulation (HPR) and the SDS contains the information required by the HPR.

NPRI: None of the components are listed

CEPA: None of the components are listed

**16: OTHER INFORMATION****Abbreviations Used:**

N/A - Not applicable

N/E - Not Established

N/L - Not Listed

**Revision Information:**

April 27, 2017 - SDS issued



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Health:	1
Flammability:	0
Reactivity:	0

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This SDS has been provided to you in accordance with the OSHA Hazard Communication Standard (29CFR1910.1200).

**\*\*IMPORTANT SAFETY INFORMATION\*\*DO NOT DISCARD\*\*PLEASE ROUTE TO COMPANY SAFETY OFFICER\*\***