

## TECHNICAL DATA SHEET



# HOT ROD & CLASSIC CAR HIGH PERFORMANCE MOTOR OIL SAE 10W-30

PRODUCT # 10679, 10687

### TEST

### ASTM

### TYPICAL

<b>API Gravity</b>	<b>D-1298</b>	<b>30.0</b>
<b>Specific Gravity @ 60°F</b>	<b>D-1298</b>	<b>0.876</b>
<b>Density @ 60°F LBS/US Gal</b>	<b>D-1298</b>	<b>7.30</b>
<b>Viscosity @ 40°C, cSt</b>	<b>D-445</b>	<b>73.4</b>
<b>Viscosity @ 100°C, cSt</b>	<b>D-445</b>	<b>10.9</b>
<b>Flash Point COC °F</b>	<b>D-92</b>	<b>405</b>
<b>Color</b>		<b>Amber</b>
<b>Viscosity Index</b>	<b>D-2270</b>	<b>138</b>
<b>CCS @ -25°C, CPS</b>	<b>D-5293</b>	<b>7,000 Max</b>
<b>MRV @ -30°C, CPS</b>	<b>D-4684</b>	<b>60,000 Max</b>
<b>Zinc, Wt%</b>	<b>X-Ray</b>	<b>0.21</b>
<b>Phosphorous, Wt%</b>	<b>X-Ray</b>	<b>0.19</b>
<b>TBN Mg KOH/g</b>	<b>D-2896</b>	<b>9.2</b>

Lucas Hot Rod & Classic Car Motor Oil SAE 10W-30 is manufactured with the highest quality paraffinic base oils and is fortified with a unique additive package containing high levels of zinc, molybdenum and phosphorus, which provides a tougher, thicker additive film for maximum protection even under the most severe conditions. It lowers oil temperatures, extends oil life and minimizes metal fatigue. It improves the film strength between the cylinder wall and piston rings and slows oil burning and improves pressure in worn engines. It has good cold temperature properties and stands up to high operating temperatures. It is compatible with methanol and all racing fuels, as well as with synthetic and non-synthetic oils.

Lucas Hot Rod & Classic Car Motor Oil SAE 10W-30 is for muscle, showroom, classic and trophy cars without catalytic converters. It can be used in racing applications. Not recommended for passenger car use.

# SAFETY DATA SHEET

Lucas Hot Rod & Classic Car Oil SAE 10W-30



## Section 1. Identification

**GHS product identifier** : Lucas Hot Rod & Classic Car Oil SAE 10W-30

**Other means of identification** : Not available.

**Product number** :

### Identified uses

Engine oil.

### Supplier's details

: Lucas Oil Products, Inc  
302 North Sheridan Street  
Corona, California 92880-2067  
Toll Free: (800) 342-2512  
Tel: (951) 270-0154  
Fax: (951) 270-1902  
Website: www.LucasOil.com

**Emergency telephone number (with hours of operation)** : (951) 493-1149  
(951) 847-5949  
Markn@lucasoil.com

7:00A.M. to 5:00P.M. Monday thru Friday

## Section 2. Hazards identification

**OSHA/HCS status** : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

**Classification of the substance or mixture** : Not classified.

### GHS label elements

**Signal word** : No signal word.

**Hazard statements** : No known significant effects or critical hazards.

### Precautionary statements

**General** : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

**Prevention** : Not applicable.

**Response** : Not applicable.

**Storage** : Not applicable.

**Disposal** : Not applicable.

**Hazards not otherwise classified** : None known.





## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture  
**Other means of identification** : Not available.

### CAS number/other identifiers

**CAS number** : Not applicable.

Ingredient name	%	CAS number
Zinc Alkyldithiophosphate	0.1 - 1	68649-42-3

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary 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.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact** : Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)





## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : Straight streams of water.

**Specific hazards arising from the chemical** : No specific fire or explosion hazard.

**Hazardous thermal decomposition products** : No specific data.

**Special protective actions for fire-fighters** : No special measures are required.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental 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).

### Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : 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 of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : 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. See also Section 8 for additional information on hygiene measures.





## Section 7. Handling and storage

**Conditions for safe storage, including any incompatibilities** : 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.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

None.

**Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

### Individual protection measures

**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.

**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

**Hand 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.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.





## Section 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	: Liquid. [Clear.]
<b>Color</b>	: Light brown.
<b>Odor</b>	: Petroleum.
<b>Odor threshold</b>	: Not available.
<b>pH</b>	: Not available.
<b>Melting point</b>	: Not available.
<b>Boiling point</b>	: >260°C (>500°F)
<b>Flash point</b>	: Closed cup: 237.77°C (460°F)
<b>Evaporation rate</b>	: Not available.
<b>Flammability (solid, gas)</b>	: Not available.
<b>Lower and upper explosive (flammable) limits</b>	: Not available.
<b>Vapor pressure</b>	: Not available.
<b>Vapor density</b>	: Not available.
<b>Relative density</b>	: 0.876
<b>Solubility</b>	: Not available.
<b>Solubility in water</b>	: Negligible at 25°C
<b>Partition coefficient: n-octanol/water</b>	: Not available.
<b>Auto-ignition temperature</b>	: Not available.
<b>Decomposition temperature</b>	: Not available.
<b>Viscosity</b>	: Kinematic (100°C (212°F)): 0.11 cm <sup>2</sup> /s (11 cSt)
<b>Volatility</b>	: Not available.
<b>VOC content</b>	: Not available.

## Section 10. Stability and reactivity

<b>Reactivity</b>	: No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	: The product is stable.
<b>Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: Excessive heat.
<b>Incompatible materials</b>	: Reactive or incompatible with the following materials: strong oxidizers.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.





## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

There is no data available.

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Zinc Alkyldithiophosphate	Eyes - Irritant	Rabbit	-	-	-

#### Sensitization

There is no data available.

#### Carcinogenicity

There is no data available.

#### Specific target organ toxicity (single exposure)

There is no data available.

#### Specific target organ toxicity (repeated exposure)

There is no data available.

#### Aspiration hazard

There is no data available.

**Information on the likely routes of exposure** : Dermal contact. Eye contact. Inhalation. Ingestion.

#### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

#### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

#### Delayed and immediate effects and also chronic effects from short and long term exposure

##### Short term exposure

**Potential immediate effects** : No known significant effects or critical hazards.  
**Potential delayed effects** : No known significant effects or critical hazards.

##### Long term exposure

**Potential immediate effects** : No known significant effects or critical hazards.  
**Potential delayed effects** : No known significant effects or critical hazards.

##### Potential chronic health effects

**General** : No known significant effects or critical hazards.  
**Carcinogenicity** : No known significant effects or critical hazards.







## Section 11. Toxicological information

- Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

There is no data available.

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
Zinc Alkyldithiophosphate	Acute EC50 1 to 5 mg/L Acute EC50 1 to 1.5 mg/L Chronic LC50 1 to 5 mg/L	Algae Crustaceans Fish	96 hours 48 hours 96 hours

### Persistence and degradability

There is no data available.

### Bioaccumulative potential

There is no data available.

### Mobility in soil

- Soil/water partition coefficient (K<sub>oc</sub>)** : There is no data available.

- Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

- Disposal methods** : 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.





**Section 14. Transport information**

	<b>DOT Classification</b>	<b>IMDG</b>	<b>IATA</b>
<b>UN number</b>	Not regulated.	Not regulated.	Not regulated.
<b>UN proper shipping name</b>	-	-	-
<b>Transport hazard class(es)</b>	-	-	-
<b>Packing group</b>	-	-	-
<b>Environmental hazards</b>	No.	No.	No.
<b>Additional information</b>	-	-	-

**AERG** : Not applicable

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not available.

**Section 15. Regulatory information**

**U.S. Federal regulations** : **TSCA 8(a) PAIR:** Zinc Alkyldithiophosphate  
**TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
**United States inventory (TSCA 8b):** All components are listed or exempted.  
**Clean Water Act (CWA) 307:** Zinc Alkyldithiophosphate

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

**SARA 302/304****Composition/information on ingredients**

No products were found.

**SARA 304 RQ** : Not applicable.



## Section 15. Regulatory information

### SARA 311/312

**Classification** : Not applicable.

### Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Zinc Alkyldithiophosphate	0.1 - 1	No.	No.	No.	Yes.	No.

### SARA 313

	Product name	CAS number	%
<b>Form R - Reporting requirements</b>	Zinc Alkyldithiophosphate	68649-42-3	0.1 - 1
<b>Supplier notification</b>	Zinc Alkyldithiophosphate	68649-42-3	0.1 - 1

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### State regulations

- Massachusetts** : None of the components are listed.  
**New York** : None of the components are listed.  
**New Jersey** : The following components are listed: Distillates (petroleum), hydrotreated heavy paraffinic; Zinc Alkyldithiophosphate  
**Pennsylvania** : The following components are listed: Zinc Alkyldithiophosphate

### California Prop. 65

No products were found.

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

**Health** : 0    **Flammability** : 1    **Physical hazards** : 0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

### National Fire Protection Association (U.S.A.)

**Health** : 0    **Flammability** : 1    **Instability** : 0

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

### History

- Date of issue mm/dd/yyyy** : 01/15/2015  
**Date of previous issue** : 01/15/2014  
**Version** : 2





## Section 16. Other information

- Prepared by** : KMK Regulatory Services Inc.
- Key to abbreviations** :
- ATE = Acute Toxicity Estimate
  - BCF = Bioconcentration Factor
  - GHS = Globally Harmonized System of Classification and Labelling of Chemicals
  - IATA = International Air Transport Association
  - IBC = Intermediate Bulk Container
  - IMDG = International Maritime Dangerous Goods
  - LogPow = logarithm of the octanol/water partition coefficient
  - MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
  - UN = United Nations

**Notice to reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.





# Lucas Motor Oil & Motorcycle Oil Typical Zinc Values

Last updated:  
2-13-19

Part #	Description	Zinc PPM
<b>Motor Oil</b>		
10564	Synthetic SAE 0W-20 API	861
10179	Synthetic SAE 0W-30	1,265
10211	Synthetic SAE 0W-40	1,265
10082	Synthetic SAE 5W-20 API	861
10049	Synthetic SAE 5W-30 API	861
10101	Synthetic SAE 5W-50	1,700
10189	Synthetic SAE 5W-40 API	861
10050	Synthetic SAE 10W-30 API	861
10176	Semi-Synthetic SAE 10W-40	1,265
10054	Synthetic SAE 20W-50	1,265
10516	SAE 5W-20 API	861
10474	SAE 5W-30 API	861
10276	SAE 10W-30 API	861
10275	SAE 10W-40 API	861
10252	SAE 20W-50 API	861
10162	SAE 40WT API	861
10053	30 Plus	1,265

<b>Racing Only Oil</b>		
10610	Synthetic SAE 10W-30	3,097
10615	Synthetic SAE 20W-50	3,132
10306	Semi-Syn SAE 20W-50	3,115
10620	SAE 20W-50	3,132
10380	Jr. Drag SAE 5W-20 15 oz	6,795
10848	4-Stroke Medium Karting Oil	3,873
10044	50 Plus Racing	3,921
10695	60 Plus Racing	3,921
10261	70 Plus Racing	5,458
10942	Synthetic SAE 10W-40	2,245

<b>HOT ROD &amp; CLASSIC CAR OIL</b>		
10687	SAE 10W-30	2,100
10688	SAE 10W-40	2,100
10689	SAE 20W-50	2,100

Part #	Description	Zinc PPM
<b>Extreme Duty Marine Oil</b>		
10653	SAE 20W-50	3,132
10654	Semi-Synthetic SAE 20W-50	3,115
10661	Synthetic SAE 10W-30 Outboard	820
10662	Synthetic SAE 10W-40 Outboard	820
10677	SAE 25W-40 Inb Strn Drv	820
10807	Marine SAE 15W-40API CJ-4	1,281

<b>Motorcycle Oil</b>		
10700	SAE 20W-50	1,058
10702	Synthetic SAE 20W-50	1,058
10704	Synthetic SAE 5W-20	1,058
10706	Synthetic SAE 5W-30	1,058
10708	Synthetic SAE 10W-30	1,058
10710	Semi-Synthetic 10W-40	1,058
10712	50W	1,058
10714	70W	1,058
10716	Synthetic SAE 10W-50	1,058
10718	Synthetic SAE 0W-40	1,058
10720	Semi-Synthetic SAE 10W-40 ATV	1,058
10765	Synthetic 50W	1,542
10767	SAE 10W-40	1,058
10777	SAE Synthetic 10W-40 Moly	1,058

<b>Break-In Oil</b>		
10630	SAE 30	3,634
10635	SAE 20W-50	3,634
11033	SAE 5W-20	1,449

<b>Heavy Duty Diesel</b>		
10075	SAE 15W-40 CI 4 Magnum	1,524
10298	Synthetic 15W-40 CJ 4 API	1,281
10296	SAE 15W-40 CJ 4 API	1,281
10435	Synthetic 5W-40 CJ 4 API	1,362
10571	SAE 10W30 CJ 4 API (5 gallon)	1,281

<b>Engine Break In Oil Additive</b>		
10063	TB Zinc Plus	43,000
10063	<b>Mix Ratio:</b> 4.5 qt Oil + 16oz Zinc Plus	5,000
10063	<b>Mix Ratio:</b> 4.75 qt Oil + 8oz Zinc Plus	3,000
10063	<b>Mix Ratio:</b> 4.9 qt Oil + 4oz Zinc Plus	1,900

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