Safety Data Sheet and Handling

SQ SAE 0W-16 FULLY SYNTHETIC GASOLINE ENGINE OIL

SECTION I — Identification of the components and the company.

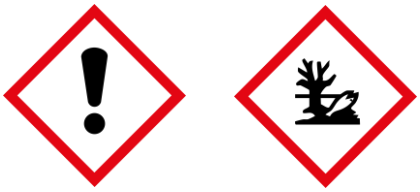
Name of the chemical substance or mixture:	SQ SAE 0W-16 FULLY SYNTHETIC GASOLINE ENGINE OIL
Product type / Use:	*FULLY SYNTHETIC GASOLINE ENGINE OIL*
Supplier or manufacturer information:	Lucas Oil Products, Inc. 3199 Harrison Way NW Corydon, IN 47112 USA T 800-342-2512 sds@lucasoil.com - www.LucasOil.com Lucas Oil Products Mexico S. DE R.L. DE CV. San Francisco 1005 Colonia del Valle centro. C.P. 03100, Alcaldia Benito Juárez, Cuidad De México
Contact and emergency telephone number:	For Chemical Emergency Call ChemTel 24hr/day 7days/week. Within USA, Canada, Puerto Rico & US Virgin Islands: 1-800-255-3924. International: 1-813-248-0585 (collect calls accepted). Australia: 1-300-954-583. Brazil: 0-800-591-6042. China: 400-120-0751. India: 000-800-100-4086. Mexico: 800-099-0731.

Safety Data Sheet prepared in accordance with NOM-018-STPS-2015, Globally Harmonized System (GHS) for the identification and communication of hazards and risks from hazardous chemical substances in the workplace.

SECTION II — Hazard Identification.

Classification of the substance or mixture:	Category 4
Harmful if swallowed. Causes serious eye irritation:	Category 2
Hazardous to the aquatic environment – Acute hazard	Category 3

Labeling elements, including precautionary statements and hazard pictograms.



Signal word: Danger

Hazard statements:

H304 – May be fatal if swallowed and enters airways.

H402 – Harmful to aquatic life.

Precautionary statements:

P102 – Keep out of reach of children.

P233 – Keep container tightly closed.

P234 – Keep only in original container.

P264 – Wash thoroughly after handling.

P273 – Avoid release to the environment.

SECTION III Composition / Information on Ingredients.

Chemical name: Petroleum-derived lubricating oil

Chemical family: Hydrocarbons

Registration No.: N/A

CAS: --

Components:

Mixture of highly refined mineral oils

Refined Mineral Oil: >86%

Additive Package: <14%

(Antifoaming agents, antioxidants, antiwear agents, detergents, dispersants, viscosity index improvers, pour point depressants, and others which, based on available information, do not impart hazardous properties to the product.)

SECTION IV First Aid Measures.

Primary route of entry:	Skin absorption, eye contact, and ingestion.
Eyes:	May cause irritation. In case of eye contact, rinse eyes with plenty of fresh, clean water, opening and closing the eyelids repeatedly. Seek medical attention if pain, tearing, or excessive redness persists.
Skin:	Mild irritation. Not expected to be a skin sensitizer. In case of skin contact, remove contaminated clothing and shoes and wash with plenty of water for at least 15 minutes.
Inhalation:	May cause mild respiratory tract irritation. No significant effects or critical hazards are known.
Ingestion:	Not a significant route of exposure. Do not induce vomiting or give anything to drink unless advised by a physician.

Indication for immediate medical attention and special treatment:
Note for medical treatment: Treat systematically.
Contact a treatment specialist immediately if a large amount has been ingested or inhaled.

SECTION V Firefighting Measures

Suitable extinguishing media:	Water, foam, dry powder, CO_2
Specific hazards of the chemical product:	Avoid inhaling smoke from the fire; thermal decomposition may produce a complex mixture of airborne solid, liquid, and gaseous particles, including carbon monoxide and unknown organic and inorganic compounds.
Special measures for firefighting teams:	Wear full protective equipment, including a self-contained positive-pressure respirator with mask, protective clothing, pants, gloves, and boots. Do not use a water jet.

SECTION VI Measures in case of accidental spills or leaks.

Personal precautions and protective equipment. **Stop the leak or spill as soon as possible.**

Emergency procedures:	Clean the area as soon as possible. Personal protective equipment must be used. Avoid contact with skin, eyes, or clothing.Ventilate the area if the spill occurs in an enclosed space.If there is a risk of splashing, wear protective goggles or a full face shield.
Environmental precautions:	Take necessary measures to prevent the spill from reaching soil, sewers, waterways, groundwater, or stream inlets.
Cleaning and disposal methods:	Persons without appropriate protective clothing for cleanup must be removed from the area. Proceed to stop the spill at its source by containing the spilled liquid with a dike to prevent spreading. Recover the liquid using a pump into a safe storage tank. Any remaining liquid after this action should be absorbed with sand, absorbent material, and/or soil, which must then be placed in a proper container for sealing and subsequent disposal.
Small spills:	Remove the spilled liquid using soil, sand, or absorbent material. Collect and place it in closed, sound containers for subsequent disposal at an appropriate site.

SECTION VII Handling and Storage.

Precautions for safe handling:	Use with adequate ventilation. Keep containers closed and upright when not in use. Avoid prolonged contact with skin, eyes, and clothing. When handling the product in drums, wear safety shoes or boots and use appropriate handling equipment. Prevent spills. Avoid using unsuitable materials (fabrics, paper, etc.) to absorb spills, as they pose a fire hazard. Do not reuse empty containers for any product that comes into contact with humans. Prevent accumulation by storing in safe locations in accordance with local, national, or international regulations.
Safe storage conditions:	Keep in a cool, dry, and well-ventilated place. Containers should be closed and properly labeled. Avoid direct sunlight, heat sources, and strong oxidizing agents. Protect from moisture.
Storage temperatures:	Minimum: 0 °CMaximum: 50 °C
Recommended materials:	Carbon steel drums and high-density polyethylene (HDPE) containers (this material should not be exposed to high temperatures due to potential deformation hazards).
Materials NOT recommended	Avoid coatings or PVC.

SECTION VIII Exposure Controls and Personal Protection.

Respiratory protection:	Respiratory protection is usually not required, except if oil mist is generated with prolonged exposure or if the workplace lacks proper ventilation.
Eye protection:	Use goggles with side protection as a good safety practice.
Hand protection:	Use chemical-resistant protective gloves. Recommended materials are nitrile or Viton.
Other protection:	Consider exposure limits, activity, and other substances in the work area. Use personal protective equipment when controls or work practices are not sufficient to prevent exposure to hazardous levels of the material.

Occupational exposure limits.

ACGIH TLV:	5 mg/m^3 (when oil vapor or mist may be present)
OSHA PEL:	5 mg/m^3 (when oil vapor or mist may be present)
Hygiene measures:	Wash thoroughly after handling this product. Do not eat, drink, or smoke while using it.
Appropriate engineering controls:	Ensure adequate ventilation in the workplace. Wear protective clothing as necessary to minimize contact with the product. Handle according to good safety and hygiene practices. Keep away from food, beverages, and animal feed. Remove contaminated clothing promptly. Wash contaminated clothing immediately.

SECTION IX Physical and Chemical Properties.

Appearance	Clear and bright.
Physical state:	Liquid
Odor:	N/D
Odor threshold:	N/D
pH:	N/D
Melting point:	N/D
Evaporation rate:	N/D
Vapor density:	N/D
Partition coefficient:	N/D
Decomposition temperature:	N/D
Upper and lower explosion limits (flammability)	N/D
Molecular weight:	N/D
Boiling point (°C):	N/D
Flash point (°C):	210
Autoignition temperature (°C):	N/D
Relative density:	0.8490
Solubility in water:	No soluble
Vapor pressure:	N/D
Volatility percentage	N/D
Kinematic viscosity @ 100 °C (cSt):	7.10

SECTION X Stability and Reactivity.

Reactivity:	No information available.
Stability:	The material is generally stable at normal temperatures and pressures. Avoid high energy ignition sources
Materials to avoid:	Strong acids, strong bases, and strong oxidizing agents.
Conditions to avoid:	Do not heat to elevated temperatures or above its flash point. Avoid direct sunlight. The container is not designed for high pressure. Do not use pressure to empty as it may rupture. Thermal decomposition or combustion may release: Carbon dioxide, carbon monoxide, nitrogen oxides, and sulfur oxides.

SECTION XI Toxicological Information.

Criteria for evaluation.	The information provided is based on knowledge of the components and the toxicology of similar products.
Skin Contact:	Frequent or prolonged skin contact with the product may cause irritation and dermatitis in some cases.
Eye Contact:	Expected to be mildly irritating.
Inhalation:	Inhalation is not considered hazardous under normal conditions of use. Prolonged exposure to vapors or product mist may cause irritation of the respiratory tract.
Ingestion:	Ingestion of the product may cause irritation of the digestive tract, leading to abnormal digestive symptoms and intestinal disorders.
Carcinogenicity:	No known significant effects or critical hazards. The base of the product consists of mineral oils of the type that have been shown to be non-carcinogenic, and no other components are known to be associated with such effects.

Mutagenicity:	No known significant effects or critical hazards.
Reproductive Toxicity:	No known significant effects or critical hazards.

SECTION XII Ecotoxicological Information.

Criteria for Evaluation:	The information provided is based on knowledge of the components and the ecotoxicology of similar products.
Mobility:	Floats on water. If it penetrates the soil, it adheres to particles and will not mobilize.
Persistence and Degradation:	The main components are inherently biodegradable, but the product contains components that may persist in the environment.
Bioaccumulation:	Contains components with the potential to bioaccumulate.
Ecotoxicity:	Contains components with the potential to bioaccumulate. Available information indicates that mineral oil does not cause any chronic effects to aquatic organisms at concentrations below 1 mg/L.Always contain the oil to prevent contamination of water sources, drains, and sewers.

SECTION XIII Disposal Considerations.

Waste Disposal:	Place waste materials in a container and dispose of them in accordance with local, regional, national or international regulations.Do not dispose of in water sources, drains, or sewers.
Product Disposal:	Use oil collection services. Place contaminated oil in containers and dispose of them in accordance with current norms and regulations. Contact local, national, or international environmental authorities for appropriate disposal methods.
Container Disposal:	Recycle or dispose of in accordance with current legislation through an authorized collector or service provider.
UN Number:	N/A
Official Transport Designation:	Not subject to transport regulations.
Transport Hazard Class:	Not relevant.
Packing Group:(If applicable)	Not available.
Environmental Hazards:	Accidental spills, soil contamination, aquifers, Flora
Special Precautions for the User:	Always have the Safety Data Sheet available for handling and/or containment in case of accidental spill.

SECTION XIV Transport Information

UN Number:	Not subject to transport regulations.
Proper Shipping Name:	Not relevant.
Transport Hazard Class:	**Not available.**
Packing Group:(if applicable)	N/A
Environmental Hazards:	Accidental spills, soil contamination, aquifers, Flora
Transport Hazard Class:	Not relevant.
Packing Group:(If applicable)	Not available.
Environmental Hazards:	Accidental spills, soil contamination, aquifers, Flora
Special Precautions for the User:	Always have the Safety Data Sheet available for handling and/or containment in case of accidental spill.

SECTION XV Regulatory Information.

NOM-018-STPS-2015:	System for the Identification and Communication of Hazards and Risks from Hazardous Chemical Substances in the Workplace
NMX-R-019-SCFI-2011:	Globally Harmonized System of Classification and Labelling of Chemicals
GHS:	Globally Harmonized System
NOM-010-STPS-1999:	Safety and Hygiene Conditions in Workplaces Where Chemical Substances Capable of Generating Contamination in the Work Environment Are Handled, Transported, Processed, or Stored.
NOM-004-SCT-2008:	System for the Identification of Units Intended for the Transport of Hazardous Substances, Materials and Wastes.

SECTION XVI Other Information.

Application.

Recommended for service in gasoline engines of latest-generation vehicles or latest models and previous years with additional protection against low-speed pre-ignition (LSPI).

Meets satisfactorily the API SP, ILSAC GF-7A, API SP, SN PLUS service categories; can also be used in applications requiring API SN, SM, SL, and SJ.

Disclaimer.

The information provided in this Safety Data Sheet was compiled and integrated with information supplied in the Safety Data Sheets of raw material suppliers. Information related to this product may vary if it is used in combination with other materials or in other processes. It is the user's responsibility to interpret and apply this information for their particular use in specific processes. The information contained herein is offered only as a guide for handling this specific product and has been prepared in good faith by trained technical personnel. This safety data sheet is not intended to be complete or exhaustive, and the manner and conditions of use and handling may involve other additional considerations not covered in this document.

The product should not be used for applications other than those recommended without first consulting technical support. This product must be stored, handled, and used in accordance with good industrial hygiene practices and current legislation. The information contained herein is based on the current state of our knowledge and provides guidance on the safe and proper use of the product, and should not be interpreted as a guarantee of specific properties.

Appropriate changes will be made when any component is replaced in the formula.