

Castillo Gasoline Engine Oil 0W20 - Synthetic

Material Safety Data Sheet

Revision Date: 10/05/2026

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Castillo Gasoline Engine Oil 0W20 - Synthetic
Company Name	Castillo
Address:	Al-Ahmadi, Kuwait.
Chemical Family	Lubricant

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Product definition	Mixture
Classification as per regulation (EC) No. 1272/2008 [CLP/GHS]	Aspiration toxicant: Category 1

GHS Label Elements



Signal Word	Danger!
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Precautionary Statements

Response	IF SWALLOWED: Immediately call a poison center or doctor/physician. Do NOT induce vomiting.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with applicable local/regional/national/international regulations

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Emergency Overview

Color	Straw. [Light]
Physical state	Liquid. [Fluid]
Odor	Mild hydrocarbon
Hazard statements	This substance may be fatal if swallowed and enters airways, causes damage to organs through prolonged or repeated exposure.
Precautions	When handling this substance: do not breathe the dust, fume, gas, mist, vapors or spray; wear protective gloves and/or clothing, and eye and/or face protection.
OSHA/HCS status	Under United States Regulations (29 CFR 1910.1200 Hazard Communication Standard), this product is considered hazardous.

Potential acute health effects

Eye	Irritates the eyes- can cause irritation or serious damage to the eye.
Skin	Irritates the skin- Can cause irritation or serious damage to the skin
Inhalation	Inhalation of vapor or oil mist from this product can be fatal for humans and other mammals.
Ingestion	Can cause serious damage if ingested.
Birth Defects	Can cause harm to the developed child including birth defects, low birth weight and biological or behavioral problems that appear as child grows.
Cancer	May cause or increase the risk of cancer.

Environmental Hazards

May cause long-term adverse effects in the aquatic environment.

NFPA Hazard ID	Health: 0	Flammability: 1	Reactivity: 0
HMIS Hazard ID	Health: 0	Flammability: 1	Reactivity: 0

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3. COMPOSITION ON INGREDIENTS/IDENTITY INFORMATION

Components	CAS Number	Approximate % Composition
Paraffinic Base Oil	64742-54-7	85.0 - 90.0%
Additives	9010-79-1	15.0 - 10.0%

4. FIRST AID MEASURES

Eye	Flush immediately with water for at least 15 minutes. Get immediate medical attention.
Skin	Wash with soap and water. Remove contaminated clothing. Get medical attention if irritation develops.
Ingestion	DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.
Inhalation	Remove exposed person to fresh air and provide oxygen if breathing is difficult. Get medical attention

5. FIRE FIGHTING MEASURES

Flash point (COC)	>190°C
Auto Ignition	> 300 (oil base)
Extinguishing Media	CO ₂ , Dry Chemical, Foam, Water Fog
Firefighting procedures	Recommend wearing self-contained breathing apparatus. Water may cause splattering.
Combustion products	Normal combustion forms carbon dioxide, water vapor, and may produce oxides of Sulfur and Nitrogen. Incomplete combustion may produce carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

Environmental protection

The material is not expected to be harmful to aquatic organisms. Stop the source of leak or release. Remove with vacuum trucks or pump to storage salvage vessels. Soak up residue with an absorbent such as Clay, Sand or other suitable materials.

7. HANDLING AND STORAGE

Handling Procedure	Keep containers closed when not in use. Handling temperatures should not exceed 70°C.
Storage Procedure	Keep containers in cool and Dry place.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Occupational exposure limits:

Product/ingredient name	Exposure limit values
Distillates (petroleum), hydro-treated heavy paraffinic	- TWA (Time-Weighted Average): 5 mg/m³ for 8 hours - STEL (Short-Term Exposure Limit): 10 mg/m³ for 15 minutes

Recommended monitoring procedures:

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

DNELs/DMELs

No DNELs/DMELs available

PNECs

No PNECs available.

EYE PROTECTION

Eye protection is required. Recommended chemical goggles or face shield.

SKIN PROTECTION

Protective clothing and gloves are normally required.

VENTILATION PROTECTION

Proper ventilation is required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid. [Oily liquid.]
Appearance	Clear
Color	Yellow [Light]
Odor	Characteristic
Water solubility	Not soluble
Boiling range, °C	Initial boiling point (oil base) > 300
Flash Point, °C	> 190 (ASTM D92, COC)
Auto flammability/ ignition, °C	> 300 (oil base)
Upper explosion limit	Unknown
Lower explosion limit	Unknown
Vapor pressure, 20 °C, kPa	< 0.01 (oil base)
Viscosity, kinematic, 40 °C, mm ² /s	Indicated by grade designation
Relative density, 15 °C	0.86 -0.87

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10. STABILITY AND REACTIVITY

Stability	Stable
Incompatibility	May react with strong oxidizing agents, such as Chlorates, Nitrates, Peroxides, etc.
Hazardous Polymerization	Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Basis for assessment:

Information given is based on data on the components and the toxicology of similar products. Unless indicated otherwise, the data presented is representative of the product as a whole, rather than for individual component(s).

Information on likely routes of exposure:

Skin and eye contact are the primary routes of exposure although exposure may occur following accidental ingestion.

Acute Toxicity

Acute oral toxicity	Can cause serious damage
Acute inhalation toxicity	Can be fatal on inhalation for humans and other mammals
Acute dermal toxicity	Can cause serious damage at prolonged contact
Skin corrosion/irritation	Can cause irritation or serious damage to the skin.
Serious eye damage/eye irritation	Can cause irritating to the eye or serious damage.

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Respiratory or skin sensitization

Substance may cause inflammation or other adverse reaction in the respiratory system.

Aspiration Hazards

Category

1

Toxicity

An aspiration hazard as per characteristics and properties.

Germ cell mutagenicity

OSHA HCS 2012•Classification criteria not met.

Carcinogenicity

Can cause cancer or increase the risk of cancer.

Reproductive toxicity

Can cause harm to the developing child including birth defects.

TOST - Single exposure

Based on available data, the classification criteria are not met.

TOST - Repeated exposure

Based on available data, the classification criteria are not met.

Further information

Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they may present risks to health and the environment on disposal. ALL used oil should be handled with caution and skin contact avoided as far as possible.

12. ECOLOGICAL INFORMATION

Environmental impact

This material is not expected to be readily biodegradable.

Eco toxicity

This material is not expected to be harmful to aquatic organisms.

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13. DISPOSAL CONSIDERATIONS

Material, if discarded, not expected to be characteristic hazardous waste. Disposal should be in compliance with federal, state, and local laws.

14. TRANSPORT INFORMATION

Department of Transportation classification	Not hazardous by D.O.T. regulations
DOT Proper Shipping Name	Not Applicable
Other Requirements	Not Applicable

15. REGULATORY INFORMATION

SARA 311 Categories

Immediate (Acute) Health Effects	NO
Delayed (Chronic) Health Effects	NO
Fire Hazard	NO
Sudden Release Of Pressure Hazard	NO
Reactivity Hazard	NO

STATE REGULATORY INFORMATION:

Based on information available this product does not contain any chemical substance regulated by a specific state law.

16. OTHER INFORMATION

16.1. Preparation of MSDS:

This Material Safety Data Sheet (MSDS) has been prepared by Kuwait Lube Oil Company, Kuwait, a reputable lubricant manufacturer and supplier. The information contained in this document is based on data from various sources, including the chemical composition of the product, available toxicity data, and expert assessments.

16.2. Revision of the MSDS:

To ensure that this MSDS remains current and accurate, it is subject to regular review and revision. Any significant changes in the composition of the product, new hazard information, or updated regulatory requirements will prompt a revision of the MSDS. The responsibility for revisions lies with the Quality Assurance Department.

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16.3. Date of Issue and Last Revision:

Date of Issue	December 12, 2023
Date of Last Revision	May 10, 2026

16.4. Additional Information:

Proper storage conditions	Store in a cool, well-ventilated area away from incompatible materials.
Disposal guidelines	Dispose of in accordance with local, regional, and national regulations. Do not release into the environment.

16.5. Abbreviation That May Have Been Used In This Document:

NDA	No Data Available
CAS	Abstract Service Number
NFPA	National Fire Protection Association
NA	Not Applicable