MATERIAL SAFETY DATA SHEET

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Section 1: Chemical Product and Company Identification

General Product Name:	G-OIL; 10W30 Motor Oil
Synonyms:	None
Product Description:	Engine Oil for Light-duty and heavy-duty internal combustion engines
CAS Number:	None
ASTM:	D 4485 - 07

Section 2: Hazards Identification

Appearance:	Amber colored liquid
Odor:	Mild
Principal Hazards:	**This material has no known health hazards**

This material is not considered hazardous by the OSHA Hazard communication Standard 29 CFR 1910.1200.
See Section 11 for complete health hazard information.

Section 3: Composition/Information on Ingredients

Hazardous Ingredients:	This product contains no known hazards under applicable laws.

Section 4: First Aid Measures

Eyes:	Flush with water for at least 30 minutes. Get medical attention if eye irritation develops or persists.
Skin:	Wash with soap and water. Remove contaminated clothing. Get medical attention if irritation develops. Launder contaminated clothing before reuse.
Inhalation:	Remove exposed person to fresh air if adverse effects are observed.
Oral:	DO NOT INDUCE VOMITING. Get immediate medical attention.
Additional Information:	Note to physician: Treat symptomatically.

Section 5: Fire Fighting Measures

Flash Point:	220 °C, 428 °F (ASTM D 92)
Extinguishing Media:	CO_2, dry chemical, water spray (fog) or foam. Water stream may splash the burning liquid and spread fire.
Firefighting Procedures:	Recommend wearing self-contained breathing apparatus. Use water spray to cool drums exposed to fire.
Unusual Fire & Explosion Hazards:	Not determined

Section 6: Accidental Release Measures

Spill Procedures:	Recommend Personal Protective Equipment be worn, see Personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. Remove sources of ignition, contain spill to smallest area possible. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Grease nature will result in a slippery surface.

Section 7: Handling and Storage

Max. Handling Temperature:	75 °C, 167 °F
Handling Procedures:	Keep containers closed when not in use. Wash thoroughly after handling. Empty container contains product residue which may exhibit hazards of product.
Max. Storage Temperature:	45 °C, 113 °F
Storage Procedures:	No special storage precautions required

Section 8: Exposure Controls/Personal Protection

Exposure Limits:	None established
Engineering Controls:	Use with adequate ventilation
Gloves Procedures:	Use nitrile gloves
Eye Protection:	Safety Glasses
Respiratory Protection:	Under normal use conditions, respirator is not usually required.
Clothing Recommendation:	Under normal use conditions, no special clothing required. Launder contaminated clothing before reuse.

Section 9: Physical and Chemical Properties

Flash Point	220 °C, 428 °F
Upper Flammable Limit	Not determined
Lower Flammable Limit	Not determined
Autoignition Point	Not determined
Explosion Data	Material does not have explosive properties
Vapor Pressure	Not determined
pH	Not determined
Specific Gravity	Not determined
Bulk Density	Not determined
Water Solubility	Insoluble
Percent Volatile	Unknown
Volatile Organic Compound	Not determined
Vapor Density	Not determined
Evaporation Rate	Not determined
Odor	Mild
Appearance	Amber colored liquid
Viscosity	61.4 Centistokes (40 °C) 10.91 Centistokes (100 °C)
Odor Threshold	Unknown
Boiling Point	Not determined
Pour Point Temperature	-48 °C, -54 °F
Melting/Freezing Point	Not determined

Section 10: Stability and Reactivity

Stability:	Material is normally stable at moderately elevated temperatures and pressures.
Decomposition Temperature	Not determined
Incompatibility:	Oxidizing Agents, Acids, Halogens and halogenated compounds
Polymerization:	Will not occur
Thermal Decomposition:	Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.
Conditions to Avoid:	Not Determined

Section 11: Toxicological Information

-- ACUTE EXPOSURE --

Eye Irritation:	Not expected to cause eye irritation. Based on data from components or similar materials.
Skin Irritation:	Not expected to be a primary skin irritant. Based on data from components or similar materials. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying and cracking of the skin.
Respiratory Irritation:	Under good industrial hygiene practices where all exposure limits are observed, respiratory irritation should not be a problem. If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract similar to that observed with mineral oil.
Dermal Toxicity:	The LD50 in rabbits is >2000 mg/Kg. Based on data from components or similar materials.
Inhalation Toxicity:	No data available to indicate product or components may be a toxic inhalation hazard.
Oral Toxicity:	The LD50 in rats is >5000 mg/kg. Based on data from components or similar materials.
Dermal Sensitization:	No Data available to indicate product or components may be a skin sensitizer.
Inhalation Sensitization:	No Data available to indicate product or components may be a respiratory sensitizer.

-- CHRONIC EXPOSURE--

Chronic Toxicity:	No data available to indicate product or components present at greater than 1% are chronic health hazards
Carcinogenicity:	No data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.
Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductive Toxicity:	No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.
Teratogenicity:	No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.

-- Additional Information --

Other	No other health hazards known.

Section 12: Ecological Information

-- ENVIROMENTAL TOXICITY--

Freshwater Fish Toxicity:	The acute LC50 is > 1000 mg/L based on component data.

Freshwater Invertebrates Toxicity:	Not determined
Algal Inhibition:	The acute EC50 is > 1000 mg/L based on similar materials.
Saltwater Fish Toxicity:	Not determined
Saltwater Invertebrates Toxicity:	Not determined
Bacteria Toxicity:	The acute EC50 is > 1000 ppm based on component data.
Miscellaneous toxicity:	Not determined

-- ENVIROMENTAL FATE--

Biodegradation:	This product is Biodegradable
Bioaccumulation:	This material displays no potential to bioconcentrate.

Section 13: Disposal Considerations

Waste Disposal:	This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261.

Section 14: Transport Information

ICAO/IATA (US)	Not regulated
ICAO/IATA (International)	Not regulated
IMDG	Not regulated
IMDG EMS Fire	Not applicable
IMDG EMS Spill	Not applicable
IMDG MFAG	Not applicable
IMO Marine Vessel	Do Not Transport – Additional Information Required
US Barge	Do Not Transport – Additional Information Required
USCG Compatibility	Not Determined
U.S. DOT Bulk	Not regulated
U.S. DOT Non-Bulk	Not regulated
DOT NAERG	Not applicable
TDG Bulk	Not regulated
TDG Non-Bulk	Not regulated
Mexico	Not regulated
Mexico Non-Bulk	Not regulated
Bulk Quantity	85000 liters, 22457 gal.
Non-Bulk Quantity	207.8 liters, 55 gal.

Review classification requirements before shipping materials at elevated temperatures.

Section 15: Regulatory Information

-- Global Chemical Inventories --

USA	All components of this material are on the US TSCA Inventory or are exempt.
OTHER TSCA Reg.	None known
EU	All components are in compliance with the EC Seventh amendment directive 92/32/EEC
Japan	All components are in compliance with the Chemical Substances Control Law of Japan.
Australia	All components are in compliance with chemical notification requirements in Australia
Canada	All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List

Switzerland	All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.
Korea	All components are in compliance in Korea.
Philippines	All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969)
China	All components of this product are listed on the Inventory of Existing Chemical Substances in China.

-- Other U.S. Federal Regulations --

SARA Ext. Haz. Subst.	This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list.
SARA Section 313	This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.

SARA 311 Classification

Acute Hazard	No
Chronic Hazard	No
Fire Hazard	No
Reactivity Hazard	No

CERCLA Hazardous Substances	None Known
FDA Approval	Not Applicable

-- Product Registrations --

U.S. Fuel Registration	Not applicable
U.S. Dept of Agriculture	Not registered
NSF Nonfood Compounds Registration	Not registered
Finnish Registration	Not registered
Swedish Registration	Not registered
Norwegian Registration	Not registered
Danish Registration	Not registered
Swiss Registration	Not registered
Italian Registration	Not registered
Korean Registration	Not registered
New Zealand Registration	Not registered
TDG Regulated Limit	None Known

Section 16: Other Information

US NFPA Codes

Health	Fire	Reactivity	Special
0	1	0	None Established

HMIS Codes

Health	Fire	Reactivity
0	1	0

Precautionary Labels **"This material has no known health hazards"**

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