

MAXIMO

MAXIMUM LIFE + MAXIMUM PROTECTION

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Safety Data Sheet



Maximo Full Synthetic 5W-30 Motor Oil SN

5W-30	
5g	F175-53
55g	F179-53
Bulk	F170-53

Identified Uses: Petroleum oil; Lube oil; Petroleum hydrocarbon; Lubricant. Uses advised against: All others

Contact Info / Manufacturer Info: MaximoOil.com 205 NE 179 Street Miami, Florida 33162, United States
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Classification in Accordance with 29 CFR 1910.1200.

Recommended Uses: For lubricating passenger car motors. If these products are used in combination with other products, refer to the Safety Data Sheet for those products.

Not hazardous according to classification criteria.

GHS LABEL ELEMENTS

Symbol(s): None needed according to classification criteria.

Signal Word: None needed according to classification criteria.

Hazard Statement(s): None needed according to classification criteria.

Precautionary Statements:

Prevention: None needed according to classification criteria.

Response: None needed according to classification criteria.

Section 3: Composition/Information on Ingredients

Storage: None needed according to classification criteria.

Chemical Name	CAS	Concentration: All concentrations are percent
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	0-30
Residual oils (petroleum), solvent refined	64742-01-4	0-30
Residual oils (petroleum), hydrotreated	64742-57-0	0-30
Residual oils (petroleum), solvent dewaxed	64742-62-7	0-30
Lubricating oils (petroleum), C>25, hydrotreated bright stock	72623-83-7	0-30
Lubricating oils, petroleum, hydrotreated spent	64742-58-1	5-42
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	72623-87-1	0-74
Gas oils, petroleum, vacuum, hydrocracked, hydroisomerized, hydrogenated, C20-40, branched and cyclic, high viscosity index	178603-65-1	0-45
Mineral Oil	n/a	5-15
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	68649-42-3	0.5-1

Section 4: First-Aid Measures

Disposal: Dispose in accordance with all applicable regulations.

Hazards: Not Otherwise Classified

Repeated exposure may cause skin dryness or cracking.

Section 2: Hazard(s) Identification

This material is not classified as hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

Eye Contact: Irritation or redness from exposure, flush eyes with clean water. If symptoms persist, seek medical attention.

Skin Contact: Remove contaminated clothing & shoes and cleanse area thoroughly by washing with soap and water. If irritation or redness appears, seek medical attention.

Inhalation (Breathing): First aid is not normally necessary. If breathing changes, move to fresh air and seek immediate medical attention.





Ingestion (Swallowing): First aid is not normally required; however, if swallowed and symptoms develop, seek medical attention. Accidental swallowing can result in irritation of the digestive tract, nausea and diarrhea.

Most important symptoms and effects, both acute and delayed: Breathing mists/ vapors generated at high temperatures may cause respiratory irritation. Dry skin and possible irritation can develop with repeated or prolonged exposure.

Notes to Physician: Large amounts of oil-laden material may produce serious aspiration pneumonia and could potentially develop problems long term. Inhalation exposure to oil mists less normal exposure are unlikely to cause pulmonary abnormalities.

Section 5: Fire-Fighting Measures

NFPA 704 Hazard Class

Health: 1 Flammability: 1 Instability: 00 (Minimal)



- 1 (Slight)
- 2 (Moderate)
- 3 (Serious)
- 4 (Severe)

Extinguishing Media: Use dry chemical, carbon dioxide, foam, or water spray. Water or foam may cause frothing of materials heated above 212°F / 100°C. Carbon dioxide can displace oxygen. Be careful if applying carbon dioxide in small enclosed areas. Use of foam and water on the together destroys the foam.

Specific hazards arising from the chemical:

- Unusual Fire & Explosion Hazards: If fire happens, container & material may burn, but should not ignite.
- Hazardous Combustion Products: Combustion produces smoke, carbon monoxide, and other products of incomplete combustion. Oxides of sulfur, nitrogen or phosphorus can be formed as well.

Special Protection for firefighters: Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. For fires beyond the initial stage, emergency responders in the immediate hazard area should wear protective clothing. When the potential chemical hazard is unknown, in enclosed or confined spaces, a self-contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8). Avoid spreading burning liquid with water used for cooling purposes. Cool equipment exposed to fire with water, if it can be done safely. Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely.

See Section 9 for Flammable Properties including Flash Point and Flammable (Explosive) Limits

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: This material may burn, but will not ignite readily. Keep all sources of ignition away from spill/release. Stay upwind from spills. Avoid direct contact with oil. For large spillages, notify local authorities and isolate immediate hazard. Wear protective equipment, including respiratory protection, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.

Environmental Precautions: Stop spills safely and prevent spills from entering sewers, storm drains and natural waterways. Use water sparingly to minimize environmental contamination. Spills into navigable waters, the contiguous zone, or adjoining shorelines that cause a sheen or discoloration on the surface of the water, may require notification of the National Response Center (phone number 800-424-8802).

Methods and material for containment and cleaning up: Notify relevant authorities and cleanup any spill immediately. Dike to prevent penetration into outside areas. Absorb spill with inert material such as sand, and place in suitable container for disposal. If spilled on water remove with appropriate methods such as skimming or absorbents. Remove contaminated soil for remediation or dispose in accordance with local regulations.

Local regulations vary so check with local laws of appropriate action. See Section 13 for more info on disposal.

Section 7: Handling and Storage

Precautions for safe handling: Keep away from flames and hot surfaces. Wash thoroughly after handling. Use good personal hygiene practices and wear appropriate personal protective equipment (see section 8). Spills will produce very slippery surfaces. Do not enter confined spaces such as tanks or pits without following proper entry procedures such as ASTM D-4276 and 29CFR 1910.146. Do not wear contaminated clothing or shoes.

Conditions for storage: Keep containers tightly closed and labeled. Store material approved containers and in cool, dry, ventilated area away from heat and all sources of ignition. "Empty" containers retain residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury or death. "Empty" drums should be completely drained, properly cleaned. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. Before working on or in tanks refer to OSHA regulations, ANSI Z49.1, and other references pertaining to cleaning, repairing, welding.

Section 8: Exposure Controls/Personal Protection

Chemical Name	ACGIH	OSHA
Lubricant Base Oil (Petroleum)	TWA: 5mg/m3 STEL: 10 mg/m3 as Oil Mist, if Generated	TWA: 5 mg/m3 as Oil Mist, if generated





Note: State, local or other agencies or advisory groups may have established more stringent limits. Advise with your local agencies, for further information.

Engineering controls: If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits, additional engineering controls may be required.

Eye/Face Protection: The use of eye protection that meets or exceeds ANSI Z.87.1 is recommended to protect against potential eye contact, irritation, or injury.

Skin/Hand Protection: The use of gloves impervious to the specific material handled is advised to prevent skin contact. Check with manufacturer or gloves for protection.

Respiratory Protection: Where there is potential for airborne exposure above the exposure limit.

Section 9: Physical and Chemical Properties

Note: Unless otherwise stated, values are determined at 20°C (68°F) and 760 mm Hg (1 atm). Data represent typical values and are not intended to be specifications.

Appearance: Amber

Flash Point: n/a

Physical Form: Liquid

Test Method: Pensky-Martens Closed Cup (PMCC), ASTM D93, EPA 1010

Odor: Petroleum

Boiling Point/Range: 475°F (246°C) (minimum)

Odor Threshold: N/A

Vapor Pressure: <1 mm Hg

pH: N/A

Partition Coefficient (n-octanol/water) (Kow): N/A

Vapor Pressure: less than 0.1 mmHg at 68°F(20°C)

Melting/Freezing Point: Not available [pour point 0°F (-18°C)(maximum)].

Upper Explosive Limits: N/A

Auto-ignition Temperature: N/A

Lower Explosive Limits: N/A

Decomposition Temperature: N/A

Evaporation Rate (nBuAc=1): N/A

Specific Gravity (water=1): 0.88 (water = 1) (approximately)

Particle Size: Not applicable

Bulk Density: 7.3 LB/US gal (870 g/l)(approximately)

Percent Volatile: Negligible

Viscosity: >20.5 mm²/s @ 104°F (40°C)

Flammability (solid, gas): May Ignite

Solubility in Water: Insoluble

Section 10: Stability and Reactivity

Reactivity: Not chemically reactive.

Chemical stability: Stable under normal ambient and anticipated conditions of use.

Possibility of hazardous reactions: Hazardous reactions not anticipated. Will not polymerize.

Conditions to avoid: Extended exposure to high temperatures can cause decomposition. Avoid all possible sources of ignition.

Incompatible materials: Avoid contact with strong oxidizing agents and strong reducing agents.

Hazardous decomposition products: Not anticipated under normal conditions of use.

Section 11: Toxicological Information

Substance / Mixture

Toxicity Data and Information Component Analysis - LD50/LC50:

Petroleum distillates, solvent-refined heavy paraffinic (64741-88-4)

Dermal LD50 Rabbit >2000 mg/kg; Inhalation LC50 Rat 2.18 mg/L 4 h; Oral LD50 Rat >5000 mg/kg

Residual oils (petroleum), solvent refined (64742-01-4)

Dermal LD50 Rabbit >2000 mg/kg; Inhalation LC50 Rat 2.18 mg/L 4 h; Oral LD50 Rat >5000 mg/kg

Residual oils (petroleum), solvent dewaxed (64742-62-7)

Dermal LD50 Rabbit >2000 mg/kg; Inhalation LC50 Rat 2.18 mg/L 4 h; Oral LD50 Rat >5000 mg/kg

Lubricating oils (petroleum), C>25, hydrotreated bright stock (72623-83-7)

Oral LD50 Rat >5000 mg/kg

Lubricating oils, petroleum, hydrotreated spent (64742-58-1)

Dermal LD50 Rabbit >4480 mg/kg; Oral LD50 Rat >2000 mg/kg

Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based (72623-87-1)

Dermal LD50 Rabbit >2000 mg/kg; Inhalation LC50 Rat 2.18 mg/L 4 h; Oral LD50 Rat >5000 mg/kg

Inhalation: No information on significant adverse effects.

Ingestion: May be harmful if swallowed.

Skin Contact: No information on significant adverse effects.

Eye Contact: No information on significant adverse effects.

Immediate Effects: No information on significant adverse effects.

Delayed Effects: No information on significant adverse effects.

Irritation/Corrosivity: May cause slight skin and respiratory irritation.

Respiratory Sensitization: No information available for the products.

Skin Sensitization: No information available for the product.

Carcinogenicity: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP. Germ Cell Mutagenicity. No information available for the product.

Teratogenicity: No information available for the product.





Reproductive Effects: No epidemiological data is available for the product.

Specific Target Organ Effects - Single Exposure: No information on significant adverse effects.

Specific Target Organ Effects - Repeated Exposure: No information on significant adverse effects.

Aspiration Hazard: No data available.

Medical Conditions Aggravated by Exposure: Individuals with pre-existing respiratory tract (nose, throat, and lungs), eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

Section 12: Ecological Information (non-mandatory)

GHS Classification: H412 -- Hazardous to the aquatic environment, chronic toxicity -- Category 3

Long lasting harmful effects to aquatic life.

Toxicity: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Persistence and Degradability: Not readily biodegradable, but since they can be degraded by microorganisms, they are regarded as inherently biodegradable.

Bioaccumulative Potential: Log Kow values measured for the hydrocarbon components of this material are greater than 5.3, and therefore regarded as having the potential to bioaccumulate.

Mobility in Soil: In soil and sediment, hydrocarbon components will show low mobility with adsorption to sediments being the predominant physical process. Biodegradation of the hydrocarbon constituents in soil and sediment will be slow.

Other adverse effects: N/A

Section 13: Disposal Considerations (non-mandatory)

Refer to local and federal regulations as to disposal of waste materials. It is the responsibility of the user to determine the correct waste determinations. This material, if discarded as produced, would not be a federally regulated RCRA "listed" hazardous waste and is not believed to exhibit characteristics of hazardous waste. Ideally, "Used Oil" recycling would be the most environmentally conscious plan for disposal.

Section 14: Transport Information (non-mandatory)

U.S. Department of Transportation (DOT)

Shipping Description: Not regulated

Note: If shipped by land in a packaging having a capacity of 3,500 gallons or more, the provisions of 49 CFR, Part 130 apply. (Contains oil)

Emergency Response Guide Number: N/A

DOT Shipping Name: Not regulated as a hazardous material.

TDG Shipping Name: Not regulated as a dangerous good.

Section 15: Regulatory Information (non-mandatory)

CERCLA/SARA - Section 302 Extremely Hazardous Substances and TPQs (in pounds):

This material does not contain any chemicals subject to the reporting requirements of SARA 302 and 40 CFR 372.

CERCLA/SARA - Section 311/312 (Title III Hazard Categories)

Acute Health Hazard: No

Chronic Health Hazard: No

Fire Hazard: No

Pressure Hazard: No

Reactive Hazard: No

SARA Section 313

Component Analysis: This product does not contain any "toxic" chemical subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.

CERCLA

Component Analysis: Based on the ingredient(s) listed in SECTION 3, this product does not contain any "hazardous substance" listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA)

Chemical Name	CAS	TSCA
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	YES
Residual oils (petroleum), solvent refined	64742-01-4	YES
Residual oils (petroleum), hydrotreated	64742-57-0	YES
Residual oils (petroleum), solvent dewaxed	64742-62-7	YES
Lubricating oils (petroleum), C>25, hydrotreated bright stock	72623-83-7	YES
Lubricating oils, petroleum, hydrotreated spent	64742-58-1	YES
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	72623-87-1	YES
Gas oils, petroleum, vacuum, hydrocracked, hydroisomerized, hydrogenated, C20-40, branched and cyclic, high viscosity index	178603-65-1	YES
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	68649-42-3	YES

in 40 CFR Part 302, Table 302.4.

TSCA Inventory

All the components of these products are listed on, or are automatically included as "naturally occurring chemical substances" on, or are exempted from the requirement to be listed on, the TSCA Inventory.





EPA (CERCLA) Reportable Quantity (in pounds): This material does not contain any chemicals with CERCLA Reportable Quantities.

California Proposition 65: Does not contain any chemicals which are known to the State of California to cause cancer, birth defects, or other reproductive harm at concentrations that trigger the warning requirements of California Proposition 65.

Canadian Regulations: These products have been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all information required by the CPR.

International Hazard Classification

Canada: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the Regulations. WHMIS Hazard Class: none

International Inventories

All components are either listed on the US TSCA Inventory, or are not regulated under TSCA. All components are either on the DSL, or are exempt from DSL listing requirements.

U.S. Export Control Classification Number: EAR99

Section 16: Other Information

Disclaimer: User assumes all risks incident to the use of this (these) product(s). To the best of our knowledge, the information contained herein because all information is an approximation. Maximo Oil assumes no liability whatsoever for information contained herein. The data on this SDS is a guide and does not act as an application guide. Check the manufacturer for application data.

SDS Revision:7/14//2015

