



MATERIAL SAFETY DATA SHEET

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Section 1: Chemical Product and Company Identification

General Product Name: G-OIL; MARINE OIL
Synonyms: None
Product Description: Lubricant for 2 Cycle engines
CAS Number: None

Section 2: Hazards Identification

Appearance: Blue colored liquid
Odor: Characteristic
Emergency Overview: Low order of toxicity. May be irritating to the eyes, nose, throat, and lungs. Excessive exposure may result in eye, skin, or respiratory irritation.

Note: This material should not be used for any other purpose than the intended use in Section 1 without expert advice. Health studies have shown that chemical exposure may cause potential human health risks which may vary from person to person.

See Section 11 for complete health hazard information.

Section 3: Composition/Information on Ingredients

Hazardous Ingredients: No Reportable Hazardous Substance(s) or Complex Substance(s).

Section 4: First Aid Measures

Eyes: Flush with water for at least 15 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. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance.
Oral: DO NOT INDUCE VOMITING. Get immediate medical attention.
Additional Information: Note to physician: Treat symptomatically.

Section 5: Fire Fighting Measures

Flash Point: 114 °C, 237 °F (ASTM D 93)
Extinguishing Media: CO₂, 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: Carbon monoxide, Nitrogen oxides, Smoke, Fume, Carbon dioxide

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

Handling Temperature: 0 °C, 32 °F - 38 °C, 100 °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: 38 °C, 100 °F
Storage Procedures: No special storage precautions required

Section 8: Exposure Controls/Personal Protection

Exposure Limits: 5 mg/m³ – ACGIH TLV, 10 mg/m³ – ACGIH STEL, 5 mg/m³ – OSHA PEL.
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 114 °C, 237 °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 Negligible
pH Not determined
Specific Gravity @ 60 °F 0.961
Bulk Density @ 15 °C 960 kg/m³ (8.01 lbs/gal, 1.04 kg/dm³)
Water Solubility Negligible
Percent Volatile Unknown
Volatile Organic Compound Not determined
Vapor Density Not determined
Evaporation Rate Not determined
Odor Characteristic
Appearance Blue colored liquid
Viscosity 7.9 Centistokes at 100 °C
Odor Threshold Not determined

Boiling Point	Not determined
Pour Point Temperature	-42 °C, -44 °F
Melting/Freezing Point	Not determined
Coefficient of Thermal Expansion	0.0007 V/VDEGC

Section 10: Stability and Reactivity

Stability:	Material is normally stable under normal conditions.
Decomposition Temperature:	Material does not decompose at ambient temperatures.
Incompatibility:	Strong oxidizing agents
Polymerization:	Will not occur
Thermal Decomposition Products:	Carbon monoxide, Nitrogen oxides, Smoke, Fume, Carbon dioxide
Conditions to Avoid:	Excessive heat

Section 11: Toxicological Information

ACUTE TOXICITY

<u>Route of Exposure</u>	<u>Conclusion / Remarks</u>
Inhalation	
Toxicity: No end point data.	Minimally Toxic.
Irritation: No end point data.	Elevated temperatures or mechanical action may form vapors, mist, or fumes which may be irritating to the eyes, nose, throat, or lungs.
Ingestion	
Toxicity: No end point data.	Minimally Toxic.
Skin	
Toxicity: No end point data.	Minimally Toxic.
Irritation: No end point data.	Mildly irritating to skin with prolonged exposure.
Eye	
Irritation: No end point data.	May cause mild, short-lasting discomfort to eyes.

Additional information is available by request.

The following ingredients are cited on the lists below: None.

--REGULATORY LISTS SEARCHED--

1 = NTP CARC

3 = IARC 1

5 = IARC 2B

2 = NTP SUS

4 = IARC 2A

6 = OSHA CARC

Section 12: Ecological Information

The information given is based on data available for the material, the components of the material, and similar materials.

EcoToxicity: Not determined.

-- ENVIROMENTAL FATE--

Biodegradation: This product is rated Ultimate Biodegradable in which it will biodegrade greater than or equal to 60% in 28 days

Bioaccumulation: This material displays no potential to bioconcentrate.

Section 13: Disposal Considerations

Waste Disposal: Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal. This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261.

Section 14: Transport Information

LAND (DOT): Not regulated for Land Transport
LAND (TDG): Not regulated for Land Transport
SEA (IMDG) Not regulated for Sea Transport according to IMDG-Code

Section 15: Regulatory Information

OSHA Hazard Communication Standard: When used for its intended purposes, this material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.
National Chemical Inventory Listing: AICS, IECSC, DSL, EINECS, ELINCS, ENCS, KECI, PICCS, TSCA
EPCRA This material contains no extremely hazardous substances.
CERCLA This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). Contact local authorities to determine if other reporting requirements apply.
SARA (311/312) Reportable Hazard Categories: None
SARA (313) Toxic Release Inventory: This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.

The Following Ingredients are Cited on the Lists Below:

Chemical Name	CAS Number	List Citations
ETHYL BENZENE	100-41-4	10
SOLVENT DEWAXED HEAVY PARAFFINIC DISTILLATE	64742-65-0	13, 18
XYLENES	1330-20-7	5, 9, 15

--REGULATORY LISTS SEARCHED--

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|---------------|------------------|-------------------|-------------|
| 1 = ACGIH ALL | 6 = TSCA 5a2 | 11 = CA P65 REPRO | 16 = MN RTK |
| 2 = ACGIH A1 | 7 = TSCA 5e | 12 = CA RTK | 17 = NJ RTK |
| 3 = ACGIH A2 | 8 = TSCA 6 | 13 = IL RTK | 18 = PA RTK |
| 4 = OSHA Z | 9 = TSCA 12b | 14 = LA RTK | 19 = RI RTK |
| 5 = TSCA 4 | 10 = CA P65 CARC | 15 = MI 293 | |

Code key: CARC=Carcinogen; REPRO=Reproductive

Section 16: Other Information

US NFPA Codes

Health	Fire	Reactivity	Special
1	1	0	None Established

HMIS Codes

Health	Fire	Reactivity
1	1	0

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