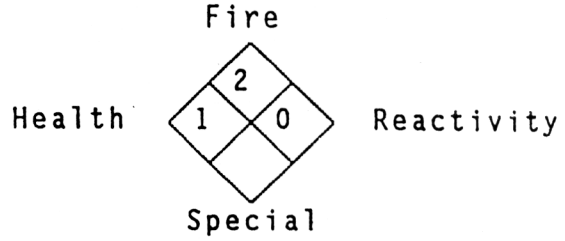
EXPORT FUEL ✓

GULF OIL
MATERIAL SAFETY DATA SHEET

GULF MARINE-G OUTBOARD LUBRICANT

Product Code: 330461

NFPA HAZARD RATING
4 - Extreme
3 - High
2 - Moderate
1 - Slight
0 - Insignificant



DIVISION AND LOCATION---SECTION I

Division: MASTER DISTRIBUTOR OF GULF LUBRICANTS
Location: AMERICAN REFINING GROUP INC
77 N. KENDALL AVENUE, BRADFORD, PA, 16701
Emergency Telephone Number: 814-368-1297
Transportation Emergency: CHEMTREC **1-(800) 424-9300 (U.S. and Canada)**

CHEMICAL AND PHYSICAL PROPERTIES---SECTION II

Chemical Name: petroleum hydrocarbon plus additives
Formula: not applicable
Hazardous Decomposition Products:
carbon monoxide and carbon dioxide from burning.
oxides of nitrogen
Incompatibility (Keep away from):
strong oxidizers such as hydrogen peroxide, bromine, and chromic acid.
Toxic and Hazardous Ingredients: CAS
Sweetened middle distillate 64741-86-2
Form: liquid Odor: solvent
Appearance: liquid Color: green
Specific Gravity (water=1): .865 to .87
Boiling Point: greater than 180°C (356°F)
Melting Point: less than-34°C (-30°F)
Solubility in Water (by weight %): 0 at 20°C
Volatile (by weight %): 0
Evaporation Rate: (n-butyl acetate = 1) .01
Vapor Pressure (mm Hg at 20°C): .2
Vapor Density (air=1): not applicable
pH (as is): not applicable
Stability: Product is stable under normal conditions
Viscosity SUS at 100°F: Greater than or = to 100

(Continued on next page)

GULF OIL
MATERIAL SAFETY DATA SHEET

GULF MARINE-G OUTBOARD LUBRICANT

Product Code: 330461

FIRE AND EXPLOSION DATA---SECTION III

Special Fire Fighting Procedures: Do not use water except as fog.
Unusual Fire and Explosion Hazards:
Do not cut, weld, braze, solder, drill, grind or expose containers, drums, tanks, etc. of product to heat, flame, sparks, static electricity or other sources of ignition; they may ignite explosively.
Flashpoint: (Method Used) Pensky-Martens closed-cup
greater than 94°C (200°F)
Flammable limits % : not applicable
Extinguishing agents: Drychemical or Waterfog or C02 or Foam
Closed containers exposed to fire may be cooled with water.

HEALTH HAZARD DATA---SECTION IV

Permissible concentrations (air):
If used in applications where a mist may be generated, observe a TWA/PEL of 5 mg/m3 for mineral oil mist (OSHA and ACGIH).
Chronic effects of overexposure:
Prolonged or repeated skin contact may cause dermatitis (skin irritation)
Acute toxicological properties:
no data available
Emergency First Aid Procedures:
Eyes: Immediately flush with large quantities of water for at least 15 minutes and call a physician.
Skin Contact: Remove excess with cloth or paper. Wash thoroughly with soap and water.
Inhalation: Remove victim to fresh air. Call a physician.
If Swallowed: Call a physician immediately. DO NOT induce vomiting. (Vomiting may cause aspiration into lungs resulting in chemical pneumonia.)

ROUTES OF ENTRY:

Inhalation, skin/eye contact, ingestion

TARGET ORGAN (,S)

Respiratory system, central nervous system, skin and eyes

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Preexisting eye, skin and respiratory disorders.

SPECIAL PROTECTION INFORMATION---SECTION V

Ventilation Type Required (Local, mechanical, special):
Local if necessary to maintain allowable PEL(permissible exposure limit) or TLV(threshold limit value)

(Continued on next page)

GULF OIL
MATERIAL SAFETY DATA SHEET

GULF MARINE-G OUTBOARD LUBRICANT

Product Code: 330461

(Section V continued)

Respiratory Protection (Specify type): Use NIOSH/MSHA certified respirator with dual organic vapor/mist and particulates cartridge if vapor concentration exceeds permissible exposure limit.
Protective Gloves: neoprene type
Eye Protection: chemical safety goggles
Other Protective Equipment: none

HANDLING OF SPILLS OR LEAKS---SECTION VI

Procedures for Clean-Up: Avoid all ignition sources such as flames and sparks. Insure good ventilation. If volume is significant, transfer into containers for disposal. Seal containers tightly. Absorb on an inert ingredient such as earth, sand or vermiculite. Sweep up and dispose of according to Federal, State and local regulations.
Waste Disposal: Dispose of in accordance with all applicable federal, state and local regulations.

SPECIAL PRECAUTIONS---SECTION VII

Precautions to be taken in handling and storage:
Do not handle or store at temperatures over
Maximum Storage Temperature: 60 ° C (140 ° F)

TRANSPORTATION DATA---SECTION VIII

D.O.T: Not Regulated
Reportable Quantity: not applicable
Freight Classification: Petroleum Lubricating Oil
Special Transportation Notes: none

ENVIRONMENTAL/SAFETY REGULATIONS---SECTION IX

Section 313 (Title III Superfund Amendment and Reauthorization Act):
This product does not contain any chemical in sufficient quantity to be subject to the reporting requirements of Section 313 of Title III of the Superfund, Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

The additive mixtures in this product have been declared a trade secret by the additive manufacturers.

(Continued on next page)

GULF OIL
MATERIAL SAFETY DATA SHEET

Product Code: 330461

COMMENTS

Prepared by: R. M. KELLAM
Title: PRODUCT SAFETY & HEALTH COORDINATOR
Original Date: 06/15/98 Sent to:
Revision Date: 02/14/00
Supersedes : 06/15/98
Date Sent

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.