



Mercury Marine Power Steering Fluid

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
SDS ID: 30207
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SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : Mercury Marine Power Steering Fluid
Other means of identification : 8M0160787, 8M0173227

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Mercury Marine
W6250 Pioneer Road
Fond du Lac, WI, 54935
USA
T 920-929-5000

1.4. Emergency telephone number

Emergency number : 1-800-424-9300 (CHEMTREC)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Aspiration hazard Category 1 H304 May be fatal if swallowed and enters airways
Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger
Hazard statements (GHS US) : H304 - May be fatal if swallowed and enters airways
Precautionary statements (GHS US) : P301+P310 - If swallowed: Immediately call a poison center or doctor.
P331 - Do NOT induce vomiting.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

No additional information available

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SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
DEC-1-ENE, HOMOPOLYMER, HYDROGENATED DEC-1-ENE, OLIGOMERS, HYDROGENATED	CAS-No.: 68037-01-4	< 100	Asp. Tox. 1, H304
1--DODECENE, POLYMER WITH 1-DECENE, HYDROGENATED	CAS-No.: 151006-60-9	< 100	Asp. Tox. 1, H304
1-DECENE, POLYMER WITH 1-OCTENE AND 1-DODECENE, HYDROGENATED	CAS-No.: 163149-28-8	< 100	Asp. Tox. 1, H304
LUBRICATING OILS (PETROLEUM), C20-50, HYDROTREATED NEUTRAL OIL-BASED	CAS-No.: 72623-87-1	1 – 10	Asp. Tox. 1, H304
HYDROTREATED MIDDLE DISTILLATE (PETROLEUM)	CAS-No.: 64742-46-7	0.5 – 5	Asp. Tox. 1, H304

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact	: None under normal conditions.
Symptoms/effects after eye contact	: None under normal conditions.
Symptoms/effects after ingestion	: None under normal conditions.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard	: No fire hazard.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

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5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.

6.1.1. For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment.
- Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.
- Methods for cleaning up : Take up liquid spill into absorbent material.
- Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.
- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Keep in a cool, well-ventilated place away from heat.
- Storage conditions : Keep cool. Protect from sunlight.
- Packaging materials : Store always product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

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8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:
Protective gloves
Eye protection:
Safety glasses
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Blue
Odor	: Petroleum-like odour
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 204 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 0.838 @ 15.6 °C
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: 20 mm ² /s @ 40 °C
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

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9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

DEC-1-ENE, HOMOPOLYMER, HYDROGENATED DEC-1-ENE, OLIGOMERS, HYDROGENATED (68037-01-4)

LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 5.2 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

1--DODECENE, POLYMER WITH 1-DECENE, HYDROGENATED (151006-60-9)

LD50 dermal rabbit	> 3000 mg/kg Source: ECHA
LC50 Inhalation - Rat (Vapours)	0.9 mg/l Source: ECHA
ATE US (vapors)	0.9 mg/l/4h

1-DECENE, POLYMER WITH 1-OCTENE AND 1-DODECENE, HYDROGENATED (163149-28-8)

LD50 dermal rabbit	> 3000 mg/kg Source: ECHA
LC50 Inhalation - Rat (Dust/Mist)	> 5.2 mg/l Source: ECHA

LUBRICATING OILS (PETROLEUM), C20-50, HYDROTREATED NEUTRAL OIL-BASED (72623-87-1)

LD50 dermal rabbit	> 2000 mg/kg Source: IUCLID
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Skin corrosion/irritation : Not classified

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1--DODECENE, POLYMER WITH 1-DECENE, HYDROGENATED (151006-60-9)

pH	3.9 Source: ECHA
Serious eye damage/irritation	: Not classified

1--DODECENE, POLYMER WITH 1-DECENE, HYDROGENATED (151006-60-9)

pH	3.9 Source: ECHA
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

LUBRICATING OILS (PETROLEUM), C20-50, HYDROTREATED NEUTRAL OIL-BASED (72623-87-1)

LOAEL (oral, rat, 90 days)	125 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	> 0.98 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)

Aspiration hazard	: May be fatal if swallowed and enters airways.
Viscosity, kinematic	: 20 mm ² /s @ 40 °C
Symptoms/effects after inhalation	: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact	: None under normal conditions.
Symptoms/effects after eye contact	: None under normal conditions.
Symptoms/effects after ingestion	: None under normal conditions.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
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LUBRICATING OILS (PETROLEUM), C20-50, HYDROTREATED NEUTRAL OIL-BASED (72623-87-1)

LC50 - Fish [1]	> 5000 mg/l Source: IUCLID
EC50 - Crustacea [1]	> 1000 mg/l Source: IUCLID

12.2. Persistence and degradability

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Persistence and degradability	Not rapidly degradable
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DEC-1-ENE, HOMOPOLYMER, HYDROGENATED DEC-1-ENE, OLIGOMERS, HYDROGENATED (68037-01-4)

Persistence and degradability	Not rapidly degradable
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1--DODECENE, POLYMER WITH 1-DECENE, HYDROGENATED (151006-60-9)

Persistence and degradability	Not rapidly degradable
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1-DECENE, POLYMER WITH 1-OCTENE AND 1-DODECENE, HYDROGENATED (163149-28-8)

Persistence and degradability	Not rapidly degradable
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HYDROTREATED MIDDLE DISTILLATE (PETROLEUM) (64742-46-7)

Persistence and degradability | Not rapidly degradable

LUBRICATING OILS (PETROLEUM), C20-50, HYDROTREATED NEUTRAL OIL-BASED (72623-87-1)

Persistence and degradability | Not rapidly degradable

12.3. Bioaccumulative potential

1--DODECENE, POLYMER WITH 1-DECENE, HYDROGENATED (151006-60-9)

Partition coefficient n-octanol/water (Log Pow) | 5

1-DECENE, POLYMER WITH 1-OCTENE AND 1-DODECENE, HYDROGENATED (163149-28-8)

Partition coefficient n-octanol/water (Log Pow) | 5

LUBRICATING OILS (PETROLEUM), C20-50, HYDROTREATED NEUTRAL OIL-BASED (72623-87-1)

Partition coefficient n-octanol/water (Log Pow) | 3.9 – 6 Source: IUCLID

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.
Additional information : Do not re-use empty containers.

SECTION 14: Transport information

In accordance with DOT

14.1. UN number

DOT NA No : Not regulated

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not regulated

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : Not regulated

14.4. Packing group

Packing group (DOT) : Not regulated

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14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

DOT

Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
DEC-1-ENE, HOMOPOLYMER, HYDROGENATED DEC-1-ENE, OLIGOMERS, HYDROGENATED	68037-01-4	Present	Active	XU
1--DODECENE, POLYMER WITH 1- DECENE, HYDROGENATED	151006-60-9	Present	Active	PMN;XU
1-DECENE, POLYMER WITH 1-OCTENE AND 1- DODECENE, HYDROGENATED	163149-28-8	Present	Active	PMN;XU
HYDROTREATED MIDDLE DISTILLATE (PETROLEUM)	64742-46-7	Present	Active	
LUBRICATING OILS (PETROLEUM), C20-50, HYDROTREATED NEUTRAL OIL-BASED	72623-87-1	Present	Active	

15.2. International regulations

CANADA

DEC-1-ENE, HOMOPOLYMER, HYDROGENATED DEC-1-ENE, OLIGOMERS, HYDROGENATED (68037-01-4)

Listed on the Canadian DSL (Domestic Substances List)

1--DODECENE, POLYMER WITH 1-DECENE, HYDROGENATED (151006-60-9)

Listed on the Canadian DSL (Domestic Substances List)

1-DECENE, POLYMER WITH 1-OCTENE AND 1-DODECENE, HYDROGENATED (163149-28-8)

Listed on the Canadian DSL (Domestic Substances List)

HYDROTREATED MIDDLE DISTILLATE (PETROLEUM) (64742-46-7)

Listed on the Canadian DSL (Domestic Substances List)

LUBRICATING OILS (PETROLEUM), C20-50, HYDROTREATED NEUTRAL OIL-BASED (72623-87-1)

Listed on the Canadian DSL (Domestic Substances List)

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EU-Regulations

No additional information available

National regulations

DEC-1-ENE, HOMOPOLYMER, HYDROGENATED DEC-1-ENE, OLIGOMERS, HYDROGENATED (68037-01-4)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

HYDROTREATED MIDDLE DISTILLATE (PETROLEUM) (64742-46-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations

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U.S. - California - Proposition 65 - Other information

This product can expose you to chemical(s) which are known to the State of California to cause cancer and reproductive harm. For more information go to www.P65Warnings.ca.gov

SECTION 16: Other information

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Full text of H-phrases

H304	May be fatal if swallowed and enters airways
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Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.