



**Safety Data Sheet (SDS)**  
**AMALIE Marine Engine Oil 50 – 70 TBN**

**Product**  
**Code: 821705081160**  
**Revision Date: 07/26/2024**

**Section 1. Identification**

**1.1. Product identifier**

**Product Identity**

AMALIE Marine Engine Oil 50 – 70 TBN

**Alternate Names**

N/A

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Intended use**

See Technical Data Sheet.

**1.3. Details of the supplier of the safety data sheet**

**Company Name**

AMALIE OIL COMPANY (Florida)  
1601 McCloskey Boulevard  
Tampa, Florida 33605 U.S.A.

**Emergency**

**24 hour Emergency Telephone No.**

ChemTel 1-800-255-3924 24 hr

**Customer Service:**

(813)248-1988  
info@amalie.com  
www.amalie.com

**Section 2. Hazard(s) identification**

**2.1. Classification of the substance or mixture**

Repr. 1B;H360F

May damage fertility.

Aquatic Acute 2;H401

Toxic to aquatic life.

Aquatic Chronic 2;H411

Toxic to aquatic life with long lasting effects.

**2.2. Label elements**



**Danger**

H360F May damage fertility.

H411 Toxic to aquatic life with long lasting effects.

**[Prevention]**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P273 Avoid release to the environment.

P281 Use personal protective equipment as required.

**[Response]**

P391 Collect spillage.

**[Storage]**

P405 Store locked up.

**[Disposal]**

P501 Dispose of contents or container in accordance with local and national regulations.

<b>Section 3. Composition/information on ingredients</b>
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This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Distillates Hydrotreated Heavy Paraffin CAS Number: 64742-54-7	25 - 50	Not Classified	----
Paraffin oils (petroleum), catalytic dewaxed heavy; baseoil-unspecified CAS Number: 64742-70-7	25 - 50	Not Classified	----
Distillates (petroleum), hydrotreated light paraffinic; Baseoil-unspecified CAS Number: 64742-55-8	10 - 25	Not Classified	----
Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased CAS Number: 68784-26-9	5 - 10		----
Branched alkylphenol CAS Number: 74499-35-7	0.10 - 1.0	Repr. 1B;H360F Skin Corr. 1C;H314 Eye Dam. 1;H318 Aquatic Acute 1;H400 Aquatic Chronic 1;H410 Acute M-Factor: 10 Chronic M-Factor: 10	----

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

\*PBT/vPvB - PBT-substance or vPvB-substance.

The full texts of the phrases are shown in Section 16.

<b>Section 4. First aid measures</b>
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**4.1. Description of first aid measures****General**

In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

**Inhalation**

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

**Eyes**

Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

**Skin**

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

**Ingestion**

If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

**4.2. Most important symptoms and effects, both acute and delayed****Overview**

Treat symptomatically. Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. Check section 2.2 (GHS Label Elements) for further details.

## Section 5. Fire-fighting measures

### 5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray.

Unsuitable extinguishing media: Do not use; water jet.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

### 5.3. Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

**ERG Guide No.** 171

## Section 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### 6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

### 6.3. Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

## Section 7. Handling and storage

### 7.1. Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

Check section 2.2 (GHS Label Elements) for further details. - [Prevention]

### 7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials: Strong oxidizing agents and acids.

Check section 2.2 (GHS Label Elements) for further details. - [Storage]

### 7.3. Specific end use(s)

No available information

## Section 8. Exposure controls / personal protection

## 8.1. Control parameters

CAS No.	Ingredient	Exposure	
		Source	Value
64742-54-7	Distillates Hydrotreated Heavy Parrafin	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic; Baseoil-unspecified	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
64742-70-7	Paraffin oils (petroleum), catalytic dewaxed heavy; baseoil-unspecified	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
68784-26-9	Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
74499-35-7	Branched alkylphenol	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

Contains mineral oil. The exposure limits for oil mist are 5 mg/m<sup>3</sup> OSHA PEL and 5 mg/m<sup>3</sup> ACGIH.

## 8.2. Exposure controls

### Respiratory

If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

### Eyes

Protective safety glasses recommended

### Skin

Avoid skin contact. Protective gloves recommended.

### Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

### Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Check section 2.2 (GHS Label Elements) for further details.

## Section 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

Amber Liquid

#### Odor

petroleum odor

#### Odor threshold

No available information

#### pH

No available information

#### Melting point / freezing point

No available information

#### Initial boiling point and boiling range

No available information

#### Flash Point

260°C

#### Evaporation rate (Ether = 1)

No available information

#### Flammability (solid, gas)

No available information

#### Upper/lower flammability or explosive limits

**Lower Explosive Limit:** No available information

**Upper Explosive Limit:** No available information

#### Vapor pressure (Pa)

No available information

#### Vapor Density

No available information

#### Relative Density

0.894

#### Solubility in Water

Negligible

<b>Partition coefficient n-octanol/water (Log Kow)</b>	No available information
<b>Auto-ignition temperature</b>	No available information
<b>Decomposition temperature</b>	No available information
<b>Viscosity (cSt)</b>	253 cSt @ 40°C
<b>VOC Content</b>	NIL

### 9.2. Other information

DMSO extract by IP346: Less than 3.0 wt % (mineral oil component only)

## Section 10. Stability and reactivity

### 10.1. Reactivity

Hazardous Polymerization will not occur.

### 10.2. Chemical stability

Stable under normal circumstances.

### 10.3. Possibility of hazardous reactions

No available information

### 10.4. Conditions to avoid

Excessive heat and open flame.

### 10.5. Incompatible materials

Strong oxidizing agents and acids.

### 10.6. Hazardous decomposition products

High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

## Section 11. Toxicological information

### Acute toxicity

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Distillates Hydrotreated Heavy Parrafin - (64742-54-7)	> 5,000.00, Rat - Category: NA	> 5,000.00, Rabbit - Category: NA	No data available.	No data available.	No data available.
Paraffin oils (petroleum), catalytic dewaxed heavy; baseoil-unspecified - (64742-70-7)	No data available.	No data available.	No data available.	No data available.	No data available.
Distillates (petroleum), hydrotreated light paraffinic; Baseoil-unspecified - (64742-55-8)	> 5,000.00, Rat - Category: NA	> 5,000.00, Rabbit - Category: NA	No data available.	No data available.	No data available.
Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased - (68784-26-9)	No data available.	No data available.	No data available.	No data available.	No data available.

Branched alkylphenol - (74499-35-7)	No data available.	No data available.	No data available.	No data available.	No data available.
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### Carcinogen Data

CAS No.	Ingredient	Source	Value
64742-54-7	Distillates Hydrotreated Heavy Paraffin	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic; Baseoil-unspecified	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
64742-70-7	Paraffin oils (petroleum), catalytic dewaxed heavy; baseoil-unspecified	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
68784-26-9	Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
74499-35-7	Branched alkylphenol	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	1B	May damage fertility.
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

## Section 12. Ecological information

### 12.1. Toxicity

Toxic to aquatic life with long lasting effects.

#### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
Distillates Hydrotreated Heavy Paraffin - (64742-54-7)	101.00, Pimephales promelas	> 10,000, Daphnia magna	100.00, Pseudokirchneriella subcapitata
Paraffin oils (petroleum), catalytic dewaxed heavy; baseoil-unspecified - (64742-70-7)	No data available.	No data available.	No data available.
Distillates (petroleum), hydrotreated light paraffinic; Baseoil-unspecified - (64742-55-8)	101.00, Pimephales promelas	> 10,000, Daphnia magna	100.00, Pseudokirchneriella subcapitata

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased - (68784-26-9)	No data available.	No data available.	No data available.
Branched alkylphenol - (74499-35-7)	No data available.	No data available.	No data available.

## 12.2. Persistence and degradability

There is no data available on the preparation itself.

## 12.3. Bioaccumulative potential

No available information

## 12.4. Mobility in soil

No available information

## 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

## 12.6. Other adverse effects

No available information

## Section 13. Disposal considerations

### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

## Section 14. Transport information

	<b>DOT (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>14.1. UN number</b>	UN3082	UN3082	UN3082
<b>14.2. UN proper shipping name</b>	Environmentally hazardous substances, liquid, n.o.s.	Environmentally hazardous substances, liquid, n.o.s., (CHEMICAL NAME)	Environmentally hazardous substances, liquid, n.o.s., (CHEMICAL NAME)
<b>14.3. Transport hazard class(es)</b>	<b>DOT Hazard Class:</b> 9 <b>Sub Class:</b> Not Applicable	<b>IMDG:</b> 9 <b>Sub Class:</b> Not Applicable	<b>Air Class:</b> 9 <b>Sub Class:</b> Not Applicable
<b>14.4. Packing group</b>	III	III	III
<b>14.5. Environmental hazards</b>	Marine Pollutant: Yes; ( Branched alkylphenol )		
<b>14.6. Special precautions for user</b>	No available information		

## Section 15. Regulatory information

<b>Regulatory Overview</b>	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
<b>Toxic Substance Control Act (TSCA)</b>	All components of this material are either listed or exempt from listing on the TSCA Inventory.
<b>EPCRA 302 Extremely Hazardous:</b>	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
<b>EPCRA 313 Toxic Chemicals:</b>	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
<b>Proposition 65 - Carcinogens (&gt;0.0%):</b>	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Developmental Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Female Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Male Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 Label Warning:**

This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

NFPA	Health Hazards	Flammability	Instability	Special Hazards
	3	1	0	--
HMIS	Health Hazards	Flammability	Physical Hazards	Personal Protection
	3	1	0	--

Chemical Name (CAS Number)	US TSCA	Australia AICS	Korea ECL	EU EINECS	EU ELINCS	EU SVHC	EN NLP	Mexico INSQ
Distillates Hydrotreated Heavy Parrafin (64742-54-7)	Yes	Yes	Yes	Yes	No	No	No	Yes
Paraffin oils (petroleum), catalytic dewaxed heavy; baseoil-unspecified (64742-70-7)	Yes	Yes	Yes	Yes	No	No	No	No
Distillates (petroleum), hydrotreated light paraffinic; Baseoil-unspecified (64742-55-8)	Yes	Yes	Yes	Yes	No	No	No	No
Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased (68784-26-9)	Yes	Yes	Yes	Yes	No	No	No	No



Branched alkylphenol (74499-35-7)	Yes	No	Yes	No	No	No	No	No
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<b>Chemical Name (CAS Number)</b>	<b>China IECSC</b>	<b>Japan ENCS</b>	<b>Japan ISHL</b>	<b>Japan PDSCL</b>	<b>Japan PRTR 1</b>	<b>Japan PRTR 2</b>	<b>Philippines PICCS</b>	<b>New Zealand NZIOC</b>
Distillates Hydrotreated Heavy Paraffin (64742-54-7)	Yes	Yes	No	No	No	No	Yes	Yes
Paraffin oils (petroleum), catalytic dewaxed heavy; baseoil-unspecified (64742-70-7)	Yes	No	No	No	No	No	Yes	Yes
Distillates (petroleum), hydrotreated light paraffinic; Baseoil-unspecified (64742-55-8)	Yes	Yes	No	No	No	No	Yes	Yes
Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased (68784-26-9)	Yes	No	No	No	No	No	Yes	Yes
Branched alkylphenol (74499-35-7)	Yes	No	No	No	No	No	No	Yes

**Section 16. Other information**

**Revision Date** 07/26/2024

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H360F May damage fertility.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

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