



**Safety Data Sheet (SDS)**  
**AMALIE Super XLO Ultimate Full Syn**  
**with Moly 5W-40**

**Product**  
**Code: 818754081160**  
**Revision Date: 01/17/2024**

**Section 1. Identification**

**1.1. Product identifier**

**Product Identity**

AMALIE Super XLO Ultimate Full Syn with Moly 5W-40

**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**

Eye Irrit. 2;H319

Causes serious eye irritation.

Repr. 1B;H360F

May damage fertility.

Aquatic Acute 3;H402

Harmful to aquatic life.

Aquatic Chronic 3;H412

Harmful to aquatic life with long lasting effects.

**2.2. Label elements**



**Danger**

H319 Causes serious eye irritation.

H360F May damage fertility.

H412 Harmful 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.

P264 Wash thoroughly after handling.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves, eye protection, and face protection.

**[Response]**

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+313 IF exposed or concerned: Get medical advice or attention.

P332+313 If skin irritation occurs: Get medical attention.

P337+313 If eye irritation persists: Get medical advice or attention.

**[Storage]**

P405 Store locked up.

**[Disposal]**

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

**Section 3. Composition/information on ingredients**

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
Lubricating Oils (petroleum), C20-50, hydrotreated neutral oil-based CAS Number: 72623-87-1	50 - 75	Not Classified	----
Distillates (petroleum), solvent-dewaxed heavy paraffinic CAS Number: 64742-65-0	10 - 25	Not Classified	----
Distillates (petroleum), solvent-dewaxed light paraffinic CAS Number: 64742-56-9	1 - 5	Not Classified	----
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isoocetyl) e CAS Number: 113706-15-3	1 - 5	Skin Irrit. 2;H315 Eye Dam. 1;H318 Aquatic Chronic 2;H411	----
Distillates Hydrotreated Heavy Parrafin CAS Number: 64742-54-7	0.10 - 1.0	Not Classified	----
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.

**Section 4. First aid measures**

**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.

<b>Ingestion</b>	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.
<b>4.2. Most important symptoms and effects, both acute and delayed</b>	
<b>Overview</b>	No specific symptom data available. Treat symptomatically. Check section 2.2 (GHS Label Elements) for further details.
<b>Eyes</b>	Causes serious eye irritation.
<b>Skin</b>	Causes mild skin irritation.

## 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: No hazardous decomposition data available.

### 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.**            ----

## 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: No available information  
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

<b>Exposure</b>			
<b>CAS No.</b>	<b>Ingredient</b>	<b>Source</b>	<b>Value</b>
64742-54-7	Distillates Hydrotreated Heavy Paraffin	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
64742-56-9	Distillates (petroleum), solvent-dewaxed light paraffinic	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
72623-87-1	Lubricating Oils (petroleum), C20-50, hydrotreated neutral oil-based	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
113706-15-3	Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) e	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

Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.

### 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

<b>Appearance</b>	AMBER LIQUID Liquid
<b>Odor</b>	Petroleum Odor
<b>Odor threshold</b>	Not determined
<b>pH</b>	No available information
<b>Melting point / freezing point</b>	No available information
<b>Initial boiling point and boiling range</b>	No available information
<b>Flash Point</b>	220°C
<b>Evaporation rate (Ether = 1)</b>	No available information
<b>Flammability (solid, gas)</b>	No available information
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> No available information <b>Upper Explosive Limit:</b> No available information
<b>Vapor pressure (Pa)</b>	No available information

<b>Vapor Density</b>	No available information
<b>Relative Density</b>	.860
<b>Solubility in Water</b>	Negligible
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not determined
<b>Auto-ignition temperature</b>	No available information
<b>Decomposition temperature</b>	No available information
<b>Viscosity (cSt)</b>	89 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

Avoid high temperatures and contact with incompatible material

### 10.5. Incompatible materials

No available information

### 10.6. Hazardous decomposition products

No hazardous decomposition data available.

## Section 11. Toxicological information

### Acute toxicity

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
Lubricating Oils (petroleum), C20-50, hydrotreated neutral oil-based - (72623-87-1)	> 5,000.00, Rat - Category: NA	> 5,000.00, Rabbit - Category: NA	No data available.	?	No data available.
Distillates (petroleum), solvent-dewaxed heavy paraffinic - (64742-65-0)	> 5,000.00, Rat - Category: NA	No data available.	No data available.	No data available.	No data available.
Distillates (petroleum), solvent-dewaxed light paraffinic - (64742-56-9)	No data available.	No data available.	No data available.	No data available.	No data available.
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) e - (113706-15-3)	No data available.	No data available.	No data available.	No data available.	No data available.
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.
Branched alkylphenol - (74499-35-7)	No data available.	No data available.	No data available.	No data available.	No data available.

### Carcinogen Data

CAS No.	Ingredient	Source	Value
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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
64742-56-9	Distillates (petroleum), solvent-dewaxed light paraffinic	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
64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic	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
72623-87-1	Lubricating Oils (petroleum), C20-50, hydrotreated neutral oil-based	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
113706-15-3	Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) e	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	2	Causes serious eye irritation.
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

Harmful to aquatic life with long lasting effects.

Harmful to aquatic life.

#### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
Lubricating Oils (petroleum), C20-50, hydrotreated neutral oil-based - (72623-87-1)	No data available.	No data available.	No data available.
Distillates (petroleum), solvent-dewaxed heavy paraffinic - (64742-65-0)	5,000.00, Oncorhynchus mykiss	1,000.00, Daphnia magna	1,000.00, Scenedesmus subspicatus

Distillates (petroleum), solvent-dewaxed light paraffinic - (64742-56-9)	No data available.	No data available.	No data available.
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isoocetyl) e - (113706-15-3)	No data available.	No data available.	No data available.
Distillates Hydrotreated Heavy Parrafin - (64742-54-7)	101.00, Pimephales promelas	> 10,000, Daphnia magna	100.00, Pseudokirchneriella subcapitata
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>	Not Applicable	Not Regulated	Not Regulated
<b>14.2. UN proper shipping name</b>	Not Regulated	Not Regulated	Not Regulated
<b>14.3. Transport hazard class(es)</b>	<b>DOT Hazard Class:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>IMDG:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>Air Class:</b> Not Applicable <b>Sub Class:</b> Not Applicable
<b>14.4. Packing group</b>	Not Applicable	Not Applicable	Not Applicable
<b>14.5. Environmental hazards</b>	Marine Pollutant: No;		
<b>14.6. Special precautions for user</b>	No available information		

# Section 15. Regulatory information

**Regulatory Overview** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

**Toxic Substance Control Act (TSCA)** All components of this material are either listed or exempt from listing on the TSCA Inventory.

## EPCRA 302 Extremely Hazardous:

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

## EPCRA 313 Toxic Chemicals:

Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) e

**Proposition 65 - Carcinogens (>0.0%):**

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
	2	1	0	--
HMIS	Health Hazards	Flammability	Physical Hazards	Personal Protection
	2	1	0	--

Chemical Name (CAS Number)	US TSCA	Australia AICS	Korea ECL	EU EINECS	EU ELINCS	EU SVHC	EN NLP	Mexico INSQ
Lubricating Oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)	Yes	Yes	Yes	Yes	No	No	No	No
Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)	Yes	Yes	Yes	Yes	No	No	No	Yes
Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)	Yes	Yes	Yes	Yes	No	No	No	No
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) e (113706-15-3)	Yes	Yes	No	No	No	No	No	No



Distillates Hydrotreated Heavy Parrafin (64742-54- 7)	Yes	Yes	Yes	Yes	No	No	No	Yes
Branched alkylphenol (74499- 35-7)	Yes	No	Yes	No	No	No	No	No

<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>
Lubricating Oils (petroleum), C20- 50, hydrotreated neutral oil- based (72623-87-1)	Yes	No	No	No	No	No	Yes	Yes
Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742- 65-0)	Yes	No	No	No	No	No	Yes	Yes
Distillates (petroleum), solvent-dewaxed light paraffinic (64742- 56-9)	Yes	No	No	No	No	No	Yes	Yes
Phosphorodithioic acid, mixed O,O- bis(sec-Bu and isooctyl) e (113706- 15-3)	Yes	Yes	No	No	No	No	No	Yes
Distillates Hydrotreated Heavy Parrafin (64742-54- 7)	Yes	Yes	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** 01/17/2024

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.

H315 Causes skin irritation.

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.

H411 Toxic to aquatic life with long lasting effects.

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