AMALIE OIL COMPANY
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Safety data sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA GHS

Revision: 24 April 2018

SECTION 1 PRODUCT AND COMPANY INFORMATION

Product Name(s):	**AMALIE SPECIAL GL-4 EP 80W90**		
Product Code(s):	829480982		
Uses:	A petroleum-based lubricant.		
Company:	AOCUSA		
Address:	1601 McCloskey Boulevard Tampa, Florida 33605 U.S.A.		
Telephone Number:	(813) 248-1988	Fax Number:	(813) 248-1488
Emergency Telephone Number:	For Hazardous Materials [or Dangerous Goods] Incident (24 hours/day) ChemTel Inc. (800) 255-3924; +1 (813) 248-0585		
Date Issued:	July 23, 2018	Date Revised:	July 23, 2018

This SDS complies with the OSHA Hazard Communication Standard 29CFR1910.1200 as revised in May 2012 (GHS). It may not meet requirements in other countries.

SECTION 2 HAZARDS IDENTIFICATION

GHS Signal Word: **WARNING**

GHS Classification: Skin Sensitization (Category 1)

GHS Hazard Statements: May cause an allergic skin reaction

GHS Precautionary Statements:

Prevention:

Avoid breathing mist/vapors/spray.

Wear protective gloves.

Response:

If on skin: Wash with plenty of water/soap.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Hazards Not Otherwise Classified: Contaminated work clothing must not be allowed out of the workplace.

Storage:

None.

Disposal:

Dispose of contents/container in accordance with local/regional/national/international regulations.

None.

SECTION 2 HAZARDS IDENTIFICATION

GHS Assessment: Approximately < 1% of this mixture consists of ingredient(s) of unknown acute toxicity.

Approximately < 1% of the mixture consists of ingredient(s) of unknown hazards to the aquatic environment.

SECTION 3 COMPOSITION / INGREDIENTS

Component	CAS Number	EC Number	Concentration
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	265-157-1	85.0 - 99.0%
	Classification: Carc. 1B: H350 (*) Carc. 1B; H350: C ≥ 3.0 % DMSO Repr. 2; H361d: C ≥ 3.0 % DMSO Asp. Tox. 1; H304: Viscosity ≤ 20.5 mm2/s (40ºC)		
Olefin sulfide	Proprietary	---	1.0 - 5.0%
	Classification: Skin Sens. 1: H317		

Note (*): Components are highly refined and this hazard does not apply.
Other components are either non-hazardous or do not significantly contribute to the hazards of the product.
Trade Secret Claims: Specific chemical identity and/or exact percentage (concentration) of components has been withheld as a trade secret.
For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4 FIRST AID MEASURES

First Aid - Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention, if irritation develops.

First Aid - Skin: In case of contact, flush skin with plenty of soap and water while removing contaminated clothing and shoes. Get medical attention immediately if irritation develops and/or persists. Wash contaminated clothing before reuse.

First Aid - Ingestion: If swallowed and feel unwell, immediately call a physician or poison control center. DO NOT induce vomiting unless directed to do so by a physician or poison control center. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

First Aid - Inhalation: If respiratory symptoms or other symptoms of exposure develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek immediate medical attention. If victim is not breathing, clear airway and immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

Important Symptoms / Effects – Acute and Delayed: Mild tissue inflammation, rash, nausea.

Advice to Physician: Treat symptomatically.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media: Treat surrounding material. Water spray, dry chemical, carbon dioxide, or foam is recommended. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.

Specific Hazards: This product is not flammable, but will burn in a fire. This product may give rise to hazardous vapors in a fire. Vapors/fumes may be irritating, corrosive and/or toxic.

Protective equipment and Wear full protective clothing and self-contained breathing apparatus.

SECTION 5 FIRE FIGHTING MEASURES

procedures for fire-fighters.

Additional Advice: None.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Spill Procedures: Small spills: Wipe up spills with an absorbent towel/material and transfer into suitable containers for recovery or disposal. Finally flush area with water/soap or an appropriate solvent, as this product is not appreciably soluble in water alone.

Large spills: Contain spilled material if possible. Pump into suitable and properly labeled containers.

Personal Precautions: Wear suitable protective clothing and equipment.

Environmental Precautions: Prevent the material from entering drains or water courses. Do not discharge directly to a water source. Advise Authorities if spillage has entered watercourse or sewer or has contaminated soil or vegetation.

SECTION 7 HANDLING AND STORAGE

Handling: Wear appropriate personal protection (See Section 8) when handling this material. The work area should be equipped with a safety shower and eye wash station. If exposed to the liquid, avoid contact with skin and eyes. Wash thoroughly after handling. Avoid breathing vapors, mists or sprays. Use in a well-ventilated area.

Storage: Keep container(s) tightly closed. Use and store this material at room temperature away from sources of ignition, heat, direct sunlight and hot metal surfaces. Keep away from any incompatible materials (see Section 10).

Additional Advice: Store in original container. Store as directed by the manufacturer.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Standards: Exposure limits are listed below, if they exist.

Petroleum distillates, hydrotreated heavy paraffinic:
(as petroleum distillates – naphtha)
NIOSH REL: 350 mg/m3 TWA.
NIOSH REL: 1800 mg/m3 STEL.
OSHA PEL: 500 ppm (2000 mg/m3).
(as oil mist)
NIOSH REL: 5 mg/m3 TWA.
NIOSH STEL: 10 mg/m3 TWA.
OSHA PEL: 5 mg/m3 TWA.

Olefin sulfide: None.

Engineering Control Measures: Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (local exhaust), and control of process conditions.

Respiratory Protection: A NIOSH certified self-contained breathing apparatus or air purifying respirator with an organic cartridge may be used under conditions where airborne concentrations are expected to exceed exposure limits.

Hand Protection: The use of gloves impervious to the specific material handled is advised to prevent skin contact, possible irritation and skin damage (see glove manufacturer literature for information on permeability).

Eye Protection: Approved eye protection (safety glasses with side-shields or goggles) to safeguard against potential eye contact, irritation, or injury is recommended.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

	Depending on conditions of use, a face shield may be necessary.
Body Protection:	Impervious clothing should be worn as needed to prevent skin contact.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Light amber to dark amber
Odor:	Characteristic
Odor Threshold:	Not available.
pH:	Not available.
Melting Point/Range (ºC/ºF):	-27ºC / -16.6ºF (pour point)
Boiling Point/Range (ºC/ºF):	> 200ºC / 392ºF (based on constituents)
Flash Point (PMCC) (ºC/ºF):	240ºC / 464ºF
Evaporation Rate:	Not available.
Flammability / Explosivity Limits in Air (%):	Not available.
Vapor Pressure:	< 0.075 mmHg (20ºC) (based on constituents)
Vapor Density (Air = 1):	Not available.
Relative Density:	0.8872 (15.6ºC)
Solubility in Water:	Insoluble
Partition Coefficient:	Not available.
Autoignition Temperature (ºC/ºF):	> 250ºC / 482ºF (based on constituents)
Decomposition Temperature (ºC/ºF):	Not available.
Viscosity:	142 mm2/s (40ºC)
Explosive Properties:	None.
Oxidizing Properties:	None.
Volatile Organic Content (VOC) (g/l):	ca. 850 - 925 g/l (as defined by 40CFR51.100)

SECTION 10 STABILITY AND REACTIVITY

Reactivity:	Product will not undergo additional reaction.
Stability:	Stable under normal storage conditions.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Contact with incompatible materials, excessive heat.
Incompatibilities:	Strong oxidizing agents.
Hazardous Decomposition Products:	Oxides of carbon, oxides of sulfur, aliphatic compounds, toxic by-products.

SECTION 11 TOXICOLOGICAL INFORMATION

If available, toxicity data for the product is given; otherwise component data is listed.

Acute Toxicity:	This product is not expected to be appreciably toxic. (Petroleum distillates, hydrotreated heavy paraffinic) Oral LD50 (rat) > 5000

SECTION 11 TOXICOLOGICAL INFORMATION

	mg/kg (similar oil); Dermal LD50 (rabbit) > 5000 mg/kg (similar oil); Inhalation LC50 (rat) > 5.53 mg/l (4 hr) (aerosol) (no mortality – similar oil) (Olefin sulfide) No data.
Skin Corrosion / Irritation:	The product may be slightly irritating to the skin. (Petroleum distillates, hydrotreated heavy paraffinic) Mildly irritating to skin (rabbit – similar oil). (Olefin sulfide) No data.
Serious Eye Damage / Irritation:	The product may be slightly irritating to the eyes. (Petroleum distillates, hydrotreated heavy paraffinic) Non-irritating to eyes (rabbit – similar oil). (Olefin sulfide) No data.
Respiratory or Skin Sensitization:	The product may be dermally sensitizing. (Petroleum distillates, hydrotreated heavy paraffinic) Not dermally sensitizing (guinea pig – similar oil). (Olefin sulfide) Skin sensitizer.
Mutagenicity:	This product is not expected to be mutagenic. (Petroleum distillates, hydrotreated heavy paraffinic) Not mutagenic (in vitro mammalian chromosome aberration test and micronucleus assay - similar oil). (Olefin sulfide) No data.
Carcinogenicity:	This product is not expected to be carcinogenic. (Petroleum distillates, hydrotreated heavy paraffinic) Carcinogenic potential is reduced for highly refined distillates. Tumors have developed in animal studies, but were dependent on the concentration of impurities. Not classified as to carcinogenicity to humans (IARC – Petroleum solvents). (Olefin sulfide) No data.
Reproductive / Developmental Toxicity:	This product is not expected to be reproductively or developmentally harmful. (Petroleum distillates, hydrotreated heavy paraffinic) Reproductive performance and offspring development were not adversely affected in mice or rats (1000 mg/kg – similar oil). (Olefin sulfide) No data.
Chronic/Subchronic Toxicity: Specific Target Organ/Systemic Toxicity – Single Exposure:	(Petroleum distillates, hydrotreated heavy paraffinic) No data. (Olefin sulfide) No data.
Chronic/Subchronic Toxicity: Specific Target Organ/Systemic Toxicity – Repeated Exposure:	(Petroleum distillates, hydrotreated heavy paraffinic) In a 13-week oral study in rats at up to 500 mg/kg/day, the LOAEL was 125 mg/kg/day based on organ weight changes, reddening/discoloration of organs and atrophy in male sex organs (similar oil). (Olefin sulfide) No data.
Aspiration Hazard:	This product does not pose an appreciable aspiration hazard.
Additional Information:	None.

SECTION 12 ECOLOGICAL INFORMATION

If available, ecological data for the product is given; otherwise component data is listed.

Acute Ecotoxicity:	This product is not expected to be appreciably harmful to aquatic species. (Petroleum distillates, hydrotreated heavy paraffinic) LL50 (Fathead minnow) > 100 mg/l/96 hr (similar oil); EL50 (Daphnia magna) > 10000 mg/l/48 hr (similar oil); NOEL (algae) > 100 mg/l/72 hr (similar oil). (Olefin sulfide) EC50 (Daphnia magna) 63 mg/l/48 hr; EC50 (algae) > 100 mg/l/72 hr.

SECTION 12 ECOLOGICAL INFORMATION

Mobility:	(Petroleum distillates, hydrotreated heavy paraffinic) Not expected to be mobile in soil. (Olefin sulfide) No data.
Persistence/Degradability:	(Petroleum distillates, hydrotreated heavy paraffinic) Not inherently biodegradable (2-4% in 28 days – similar oil). (Olefin sulfide) Not readily biodegradable (13% in 28 days).
Bioaccumulation:	(Petroleum distillates, hydrotreated heavy paraffinic) May contain constituents with the potential to bioaccumulate. (Olefin sulfide) May bioaccumulate (Log Kow > 4.5).
Other adverse effects:	None.

SECTION 13 DISPOSAL CONSIDERATION

Environmental precautions:	Prevent the material from entering drains or water courses. Do not discharge directly to a water source. Advise Authorities if spillage has entered watercourse or sewer or has contaminated soil or vegetation.
Product Disposal:	Dispose in accordance with all local, state (provincial), and federal regulations. Under RCRA, it is the responsibility of the product's user to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because the product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous.
Container Disposal:	Do not remove label until container is thoroughly cleaned. Empty containers may contain hazardous residues. This material and its container must be disposed of in a safe way.

SECTION 14 TRANSPORT INFORMATION

DOT (US):

Proper Shipping Name:	Not regulated
UN Number:	None.
Class:	None.
Packaging Group:	None.
Reportable Quantity:	None.
Marine Pollutant:	None.

IATA:

Proper Shipping Name:	Not regulated
UN Number:	None.
Class:	None.
Packing Group:	None.

IMDG:

Proper Shipping Name:	Not regulated
UN Number:	None.
Class:	None.
Packing Group:	None.
Marine Pollutant:	None.

SECTION 14 TRANSPORT INFORMATION

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations.

SECTION 15 REGULATORY INFORMATION

US Toxic Substance Control Act:	All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
Canadian Domestic Substance List:	All components of this product are listed on the Canadian Domestic Substance List.
EU REACh:	One or more components of this product may not have been pre-listed or registered under REACh. Limited quantities may be permitted.
TSCA Sec.12(b) Export Notification:	This product does not contain a chemical at or above de minimis concentrations which requires reporting.
Canadian WHMIS Classification:	D.2.B This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.
Massachusetts Right-To-Know:	This product contains materials subject to disclosure under the Massachusetts Right-To-Know Law: - Petroleum distillates, hydrotreated heavy paraffinic (as petroleum distillates)
New Jersey Right-To-Know:	This product contains materials subject to disclosure under the New Jersey Right-To-Know Law: - Petroleum distillates, hydrotreated heavy paraffinic (as petroleum distillates)
Pennsylvania Right-To-Know:	This product contains materials subject to disclosure under the Pennsylvania Right-To-Know Law: - Petroleum distillates, hydrotreated heavy paraffinic (as petroleum distillates)
California Proposition 65:	This product contains materials which the State of California has found to cause cancer, birth defects or other reproductive harm: - Methyl isobutyl ketone (< 0.12 ppm) - Ethyl acrylate (< 0.12 ppm) - Propylene oxide (< 0.7 ppb) - Ethylene oxide (< 0.7 ppb) - 1,4-Dioxane (< 0.7 ppb) - Toluene (< 0.016%) - Benzene (< 0.1 ppm)
SARA TITLE III-Section 311/312 Categorization (40 CFR 370):	Immediate (acute) hazard (as of 2018, the EPA has adopted GHS hazard classifications)
SARA TITLE III-Section 313 (40 CFR 372):	This product does not contain materials which are listed in Section 313 at or above de minimis concentrations.
CERCLA Hazardous Substance (40 CFR 302)	This product does not contain materials subject to reporting under CERCLA and Section 304 of EPCRA.
Water Hazard Class (WGK):	This product is slightly water-endangering (WGK=1).
Other Chemical Inventories:	Australia (AICS): All components of this product are listed. China (IECSC): All components of this product are listed. Japan (ENCS): All components of this product are listed.

SECTION 15 REGULATORY INFORMATION

Korea (KCI):	All components of this product are listed.
Philippines (PICCS):	All components of this product are listed.
Taiwan (TCSI):	All components of this product are listed.

SECTION 16 OTHER INFORMATION

NFPA Rating - HEALTH:	2
NFPA Rating - FIRE:	1
NFPA Rating - REACTIVITY:	0
NFPA Rating - SPECIAL:	NONE

Full text of H-Statements referred to under Section 3:

H304	May be fatal if swallowed and enters airways
H350	May cause cancer
H361	Suspected of damaging fertility or the unborn child
H317	May cause an allergic skin reaction

SDS Date Issued: July 23, 2018

SDS Current Version: 1.0 Version Date: July 23, 2018

SDS Revision History: v1.0 Initial version.

Abbreviations:

GHS:	Globally Harmonized System of Classification and Labeling of Chemicals
CAS#:	Chemical Abstract Services Number
ACGIH:	American Conference of Governmental Industrial Hygienists
OSHA:	Occupational Safety and Health Administration
NFPA:	National Fire Protection Association
DOT:	US Department of Transportation
RCRA:	US Resource Conservation and Recovery Act
TLV:	Threshold Limit Value
TWA:	Time-Weighted Average
PEL:	Permissible Exposure Limit
STEL:	Short Term Exposure Limit
WEEL:	Workplace Environmental Exposure Levels
AIHA:	American Industrial Hygiene Association
NTP:	National Toxicology Program
IARC:	International Agency for Research on Cancer
LD50:	Lethal Dose 50%
LC50:	Lethal Concentration 50%
NOAEL:	No Observed Adverse Effect Level
NOEL:	No Observed Effect Level
EC50:	Effective Concentration 50%
LL50:	Lethal Loading Rate 50%
BCF	Bioconcentration Factor
BOD:	Biological Oxygen Demand
Koc:	Soil Organic Carbon Partition Coefficient.
Tlm:	Median Tolerance Limit

Key References:

United States National Library of Medicine's TOXNET
Patty's Toxicology, 5th Edition
European Commission's Institute for Health and Consumer Protection
European Chemicals Agency (ECHA)
American Conference of Governmental Industrial Hygienists
International Agency for Research on Cancer
United States National Toxicology Program

SECTION 16 OTHER INFORMATION

United States Occupational Safety and Health Administration
United States Department of Transportation
Supplier Material Safety Data Sheets

Disclaimer: *The data contained herein is based on information that the company believes to be reliable, but no expressed or implied warranty is made with regard to the accuracy of such data or its suitability for a given situation. Such data relates only to the specific product described and not to such products in combination with any other product and no agent of the company is authorized to vary any of such data. The company and its agents disclaim all liability for any action taken or foregone on reliance upon such data.*

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