



AMMA 25W40 Semi Synthetic

1 Identification

GHS Product Identifier

AMMA 25W40 Semi Synthetic

Other means of identification

Engine Oil

Supplier's details

AMMA Marine Inc.
 440 Boulevard Industriel
 Saint-Eustache, QC J7R 5V3
 Canada
 phone: 450-983-2500
 email: info@ammamarine.ca

Emergency phone number

FOR EMERGENCIES INVOLVING DANGEROUS GOODS

Call CANUTEC's 24-Hour Number

1-888-CANUTEC (226-8832) (North American use) and/or

1-613-996-6666 (International use)

2 Hazard(s) identification

Classification of the substance or mixture

Not Classified.

While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

GHS label elements

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN: Wash with plenty of soap and water.

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

If skin irritation occurs: Get emergency medical help

3 Composition/information on ingredients

Description	CAS Number	EINECS Number	%	Note
Lubricating oils (petroleum), C-20-50,Hydrotreated neutral oil-based	72623-87-1	276-738-4	10 - 50	

lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	72623-86-0		10 - 30
Zinc alkyl dithiophosphate	68649-42-3		0 - 10
VP150 BS (Bright Stock)	64742-57-0		5 - 10
Polybutene (Isobutylene/butene copolymer)	9003-29-6	500-004-7	0 - 5

4 First-aid measures

Description of necessary first-aid measures

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms develop or persist.

Skin contact: Wash with soap and water. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion: Wash out mouth with water. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Eye contact: May cause mild irritation

Inhalation: No known significant effects or critical hazards.

Skin contact: May cause mild irritation

Ingestion: No known significant effects or critical hazards.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments: No specific treatment.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training.

5 Fire-fighting measures

Suitable extinguishing media

Suitable extinguishing media: Water fog. Foam. Dry chemical powder. Carbon dioxide.

Unsuitable extinguishing media: do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Special protective actions for fire-fighters

Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of a spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Environmental precautions

Do not allow uncontrolled discharge of product into the environment. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill: Stop leak if without risk. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Large spill: Stop the flow of material if without risk. Prevent entry into sewers, water courses, basements or confined areas. Dike the spilled material, where this is possible. Absorb in dry sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7 Handling and storage

Precautions for safe handling

Protective measures: Put on appropriate personal protective equipment (see Section 8).

Advice on general Occupational Hygiene: Eating ,drinking and smoking should be prohibited in area where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See section 8 for additional information on hygiene measures. Use only with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not ingest. Keep away from heat and sources of ignition. Keep container tightly closed when not in use.

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8 Exposure controls/personal protection

Control parameters

Components with workplace control parameters:

Components	CAS-No.	Value Type (Form of exposure)	Control Parameters / Permissible concentrations	Basis
lubricating oils(petroleum),C20-50 hydrotreated	72623-87-1	TWA-8hr STEL (mist)	5 mg/m ³ 10 mg/m ³	CA AB OEL

neutral oil-based				
lubricating oils(petroleum),C15-30, hydrotreated neutral oil-based	72623-86-0	TWA STEL(mist)	5 mg/m ³ 10 mg/m ³	CA AB OEL

Appropriate engineering controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Safety eyewear complying with an approved standard should be used when a risk assessment by a qualified industrial hygienist indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible the following protection should be worn, unless the assessment indicates a higher degree of protection: wear face shield and protective suit for abnormal processing problems.

Skin protection

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment by a qualified industrial hygienist indicates this necessary. Suitable materials; neoprene, nitrile, polyvinyl alcohol (PVA), Viton (R).

Body Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment by a qualified industrial hygienist indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the products and the safe working limits of the selected respirator. Filter type - organic vapour filter.

9 Physical and chemical properties

Physical and chemical properties

Appearance

Physical state	:	Liquid
Color	:	Brown
Odor	:	Mild petroleum oil like
Odor Threshold	:	Not available
pH	:	Not available
Pour point	:	Not available
Boiling point	:	Not available
Flash point	:	222 °C (PMCC)
Evaporation rate	:	Not available
Flammability (solid,gas)	:	Not available

Vapor pressure	:	Not available
Vapor density	:	Not available
Relative density :		Not available
Density	:	0.860-0.870 g/cc
Partition coefficient n-octanol/water	:	Not available
Auto-ignition temp	:	Not available
Decomposition temp	:	Not available
Viscosity	:	70-90 cSt (40°C /104°F)
Viscosity	:	12.5-16.3 cSt (100 deg.c)

10 Stability and reactivity

Reactivity

The product is stable and non-reactive under normal conditions of use, storage, and transport. Hazardous polymerisation does not occur.

Chemical stability

Material is stable under normal conditions.

Possibility of hazardous reactions

Under normal conditions of storage and use hazardous reactions will not occur.

Conditions to avoid

Keep away from heat and direct sunlight.

Incompatible materials

Strong oxidising agents

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. May release CO_x, smoke and irritating vapours when heated to decomposition.

11 Toxicological information

Information on the likely routes of exposure

Inhalation: No adverse effects due to inhalation are expected.

Skin contact: May cause mild skin irritation.

Eye contact: Direct contact with eyes may cause temporary irritation.

Ingestion: Expected to be a low ingestion hazard.

Delayed and immediate effects and also chronic effects from short and long term exposure

Potential chronic health effects

General	:	No known significant effects or critical hazards
Carcinogenicity	:	No known significant effects or critical hazards
Mutagenicity	:	No known significant effects or critical hazards
Teratogenicity effects	:	No known significant effects or critical hazards
Developmental effects	:	No known significant effects or critical hazards
Fertility effects	:	No known significant effects or critical hazards

Numerical measures of toxicity (such as acute toxicity estimates)

Acute Toxicity

The product has not been tested but is expected to have a low order of toxicity.

Respiratory or skin sensitisation

The product has not been tested. It is not expected to be a respiratory or skin sensitizer.

Germ cell mutagenicity

No component of this product at levels greater than 0.1% is classified by established regulatory criteria as a mutagen

Carcinogenicity

No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH, the International Agency for Research on Cancer (IARC) or the European Commission (EC).

All components listed in Annex VI to which Note L applies, and contained in the product (i.e. CAS# 64742-65-0), have been shown to contain less than 3% DMSO extractables as measured by IP346.

Reproductive toxicity/ Teratogenicity

No known significant effects or critical hazards. No component of this product at levels greater than 0.1% is classified by established regulatory criteria as teratogenic or embryotoxic.

STOT - single exposure

No data available

STOT - repeated exposure

No data available

12 Ecological information

Toxicity

Ecotoxicity

The product has not been tested but is not expected to be toxic to aquatic life, based on its components.

Persistence and degradability

Product:

Biodegradability: Remarks: the product has not been tested but is not expected to be readily biodegradable.

Bioaccumulative potential

Remarks: no data available

Mobility in soil

Remarks: no data available

13 Disposal considerations

Disposal methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

14 Transport information

UN Number

Not regulated as dangerous goods

Special precautions for user

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

15 Regulatory information

Safety, health and environmental regulations specific for the product in question

International Inventories

TSCA:	Listed in TSCA
DSL:	All of the components in this product are listed in DSL
EINECS/ELINCS	This product complies with EINECS/ELINCS

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

16 Other information

Other information

Full text of other abbreviations

ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
CA AB OEL	: Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
CA QC OEL	: Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
ACGIH / TWA	: 8-hour, time-weighted average
CA AB OEL / TWA	: 8-hour Occupational exposure limit
CA AB OEL / STEL	: 15-minute occupational exposure limit
CA QC OEL / TWA EV	: Time-weighted average exposure value
CA QC OEL / STEV	: Short-term exposure value

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime

Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.