



Printing date 11.02.2015

Version number 1

Revision: 11.02.2015

Safety Data Sheet

complying with Regulation 1907/2006/EC (REACH
Regulation, 453/2010/EC and Regulation No 1272/2008/EC
(CLP))

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier: 71214301**
- **Trade name: ALFADIESEL 15W-40**
- **Registration number:**
Substances contained in the mixture have already (pre)-registered by the suppliers.
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No relevant identified uses-mixture of substances.
- **Application of the substance / the mixture** Lubricant
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Aegean Marine Petroleum S.A
10, Akti Kondyli, Piraeus, Greece,
185 45
Tel: (+30) 210 4586000
Fax: (+30) 210 4586245
E-mail: alfalubes@ampni.com
- **1.4 Emergency telephone number:** Emergency telephone number: 112

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation EC No 1272/2008 CLP**



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Classification system:**
The classification of the product is according CLP Regulation 1272/2008/EC and European Directive 99/45/EC.

- **2.2 Label elements**
- **Labelling according to Regulation EC No 1272/2008 CLP**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS07

(Contd. on page 2)

GB



Printing date 11.02.2015

Version number 1

Revision: 11.02.2015

Safety Data Sheet
 complying with Regulation 1907/2006/EC (REACH
 Regulation, 453/2010/EC and Regulation No 1272/2008/EC
 (CLP))

Trade name: VIGOR ALFADIESEL 15W40

(Contd. of page 1)

· **Signal word** Warning

· **Hazard statements**

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P273 Avoid release to the environment.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Additional information:**

Contains Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts. May produce an allergic reaction.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

(Contd. on page 3)



Printing date 11.02.2015

Version number 1

Revision: 11.02.2015

Safety Data Sheet
 complying with Regulation 1907/2006/EC (REACH)
 Regulation, 453/2010/EC and Regulation No 1272/2008/EC
 (CLP)

Trade name: VIGOR ALFADIESEL15W40

(Contd. of page 2)

Dangerous components:

	Mineral oil Xn R65 Asp. Tox. 1, H304	3-<10%
CAS: 84605-29-8 EINECS: 283-392-8 Reg.nr.: 01-2119493626-26-XXXX	Phosphorodithioic acid, mixed esters, zinc salt Xi R38-41; N R51/53 Eye Dam. 1, H318; Aquatic Chronic 2, H411; Skin Irrit. 2, H315	1-<2.5%
CAS: 70024-69-0 EINECS: 274-263-7 Reg.nr.: 01-2119492616-28-XXXX	Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts Xi R43 Skin Sens. 1B, H317	0.3-<1%
CAS: 121158-58-5 EC number: 310-154-3 Reg.nr.: 01-2119513207-49-XXXX	Phenol, dodecyl-, branched T Repr. Cat. 2 R61; Xn R62; Xi R36/38; N R50/53 Repr. 2, H361; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Eye Irrit. 2, H319	0.1-<0.25%
CAS: 597-82-0 EINECS: 209-909-9	O,O,O-triphenyl phosphorothioate T Repr. Cat. 2 R61; Xn R62 R53 Repr. 2, H361; Aquatic Chronic 4, H413	0.1-<0.3%

SECTION 4: First aid measures**4.1 Description of first aid measures**

• **General information:** Take affected persons out into the fresh air.

• **After inhalation:**

In case of unconsciousness place patient stably in side position for transportation.

Seek medical treatment in case of complaints.

• **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

(Contd. on page 4)

Safety Data Sheet
complying with Regulation 1907/2006/EC (REACH
Regulation, 453/2010/EC and Regulation No 1272/2008/EC
(CLP)

Printing date 11.02.2015

Version number 1

Revision: 11.02.2015

Trade name: VIGOR ALFADIESEL15W40

(Contd. of page 3)

- **After eye contact:**
Rinse opened eye for at least 15 minutes under running water.
Remove contact lenses if they are present.
Do not rub the eyes.
Seek immediate medical advice.
- **After swallowing:**
Never give anything by mouth to an unconscious person
Drink plenty of water and provide fresh air. Call for a doctor immediately.
Seek immediate medical advice.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray.
- **5.2 Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide (CO) Carbon dioxide (CO₂)
- **5.3 Advice for firefighters**
- **Protective equipment:**
Self contained breathing apparatus and full protective clothing must be worn in case of fire.
- **Additional information**
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
- **6.1.1 For non-emergency personnel**
Keep away from ignition sources.
Ensure sufficient ventilation.
Use personal protective equipment.
- **6.1.2 For emergency responders**
Wear protective equipment. Keep unprotected persons away.

(Contd. on page 5)

Safety Data Sheet
complying with Regulation 1907/2006/EC (REACH
Regulation, 453/2010/EC and Regulation No 1272/2008/EC
(CLP)

Printing date 11.02.2015

Version number 1

Revision: 11.02.2015

Trade name: VIGOR ALFADIESEL15W40

(Contd. of page 4)

Use safety goggles, in case of contact with the eyes.
Use chemicals resistant gloves.
Use antistatic and slip resistant boots.

· 6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.
Do not allow to penetrate the ground/soil.

· 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Send for recovery or disposal in suitable receptacles.

· 6.4 Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment. See
Section 13 for disposal information.

SECTION 7: Handling and storage**· 7.1 Precautions for safe handling**

Avoid contact with hot product Avoid contact with the eyes.

· Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

· 7.2 Conditions for safe storage, including any incompatibilities**· Storage:**

· Requirements to be met by storerooms and receptacles: Store in a cool location.

· Information about storage in one common storage facility: Not required.

· Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.

· 7.3 Specific end use(s) No further relevant information available.

(Contd. on page 6)

GB

Safety Data Sheet

complying with Regulation 1907/2006/EC (REACH)
Regulation, 453/2010/EC and Regulation No 1272/2008/EC
(CLP)

Printing date 11.02.2015

Version number 1

Revision: 11.02.2015

Trade name: VIGOR ALFADIESEL15W40

(Contd. of page 5)

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

· **Personal protective equipment:**

· **General protective and hygienic measures:** Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

· **Respiratory protection:** Not required.

· **Protection of hands:**



Protective gloves

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

· **Eye protection:**



Safety glasses

· **Body protection:**



Protective work clothing

(Contd. on page 7)

Safety Data Sheet
 complying with Regulation 1907/2006/EC (REACH)
 Regulation, 453/2010/EC and Regulation No 1272/2008/EC
 (CLP)

Printing date 11.02.2015

Version number 1

Revision: 11.02.2015

Trade name: VIGOR ALFADIESEL15W40

(Contd. of page 6)

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:	Liquid
Colour:	Light-coloured to brown
· Odour:	Characteristic of lubricants
· Odour threshold:	Not determined

· pH value:	Not determined
· Melting point/Melting range:	Not determined
· Boiling point/Boiling range:	Not determined

· Poor Point:	-27 °C ASTM-D 97
· Flash point:	210 °C ASTM-D 92

· Flammability (solid, gaseous):	Not applicable
---	----------------

· Auto-ignition temperature:	Not determined
-------------------------------------	----------------

· Decomposition temperature:	Not determined
-------------------------------------	----------------

· Self-igniting:	Product is not self igniting.
-------------------------	-------------------------------

· Danger of explosion:	Product does not present an explosion hazard.
-------------------------------	---

· Explosion limits:	
Lower:	Not determined
Upper:	Not determined

· Vapour pressure:	Not determined
---------------------------	----------------

· Density:	Not determined
· Relative density	Not determined
· Vapour density	Not determined
· Evaporation rate	Not determined

(Contd. on page 8)

Safety Data Sheet

complying with Regulation 1907/2006/EC (REACH
Regulation, 453/2010/EC and Regulation No 1272/2008/EC
(CLP)

Printing date 11.02.2015

Version number 1

Revision: 11.02.2015

Trade name: VIGOR ALFADIESEL15W400

(Contd. of page 7)

- | | |
|---|--|
| · Solubility in / Miscibility with water: | Not miscible or difficult to mix. |
| · Partition coefficient (n-octanol/water): | Not determined |
| · Viscosity: | |
| Dynamic: | Not determined |
| Kinematic: | Not determined |
| · 9.2 Other information | No further relevant information available. |

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** Stable at environment temperature.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid**
Avoid heat, sparkles, naked flame or other sources of ignition.
Oxidising agents
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the eye:** Irritating effect.
- **Sensitisation:** No sensitising effects known.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

Contd. on page 9)

GB

Safety Data Sheet

complying with Regulation 1907/2006/EC (REACH
Regulation, 453/2010/EC and Regulation No 1272/2008/EC
(CLP)

Printing date 11.02.2015

Version number 1

Revision: 11.02.2015

Trade name: VIGOR ALFADIESEL15W40

(Contd. of page 8)

- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**
The product contains materials that are harmful to the environment.
Harmful to aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**



Dispose according to National Regulations.



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packaging:**
- **Recommendation:**
Disposal must be made according to official regulations.
Packaging may be reused or recycled after cleaning.

SECTION 14: Transport information

- | | |
|---------------------------------------|------|
| · 14.1 UN-Number | Void |
| · ADR, ADN, IMDG, IATA | Void |
| · 14.2 UN proper shipping name | Void |
| · ADR, ADN, IMDG, IATA | Void |

(Contd. on page 10)

Safety Data Sheet

**complying with Regulation 1907/2006/EC (REACH
Regulation, 453/2010/EC and Regulation No 1272/2008/EC
(CLP)**

Printing date 11.02.2015

Version number 1

Revision: 11.02.2015

Trade name: VIGOR ALFADIESEL15W40

(Contd. of page 9)

- | | |
|---|-----------------|
| · 14.3 Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA | |
| · Class | Void |
| · 14.4 Packing group | |
| · ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | - |

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
 REACH Regulation 1907/2006/EC
 Regulation 453/2010/EC
 CLP Regulation 1272/2008/EC
- National regulations:**
- Other regulations, limitations and prohibitive regulations**
- Substances of very high concern (SVHC) according to REACH, Article 57**
- It doesn't contain substances of very high concern (SVHC).
- 15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

(Contd. on page 11)

Safety Data Sheet
complying with Regulation 1907/2006/EC (REACH)
Regulation, 453/2010/EC and Regulation No 1272/2008/EC
(CLP)

Printing date 11.02.2015

Version number 1

Revision: 11.02.2015

Trade name: VIGOR ALFADIESEL15W40

(Contd. of page 10)

· Relevant phrases

- H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H361 Suspected of damaging fertility or the unborn child.
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.
H413 May cause long lasting harmful effects to aquatic life.
- R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R43 May cause sensitization by skin contact.
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53 May cause long-term adverse effects in the aquatic environment.
R61 May cause harm to the unborn child.
R62 Possible risk of impaired fertility.
R65 Harmful: may cause lung damage if swallowed.

· Department issuing MSDS:

AEGEAN OIL SA: Technical Department

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
Skin Sens. 1B: Sensitisation - Skin, Hazard Category 1B Repr. 2: Reproductive toxicity, Hazard Category 2
Asp. Tox. 1: Aspiration hazard, Hazard Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3
Aquatic Chronic 4: Hazardous to the aquatic environment - Chronic Hazard, Category 4

(Contd. on page 12)



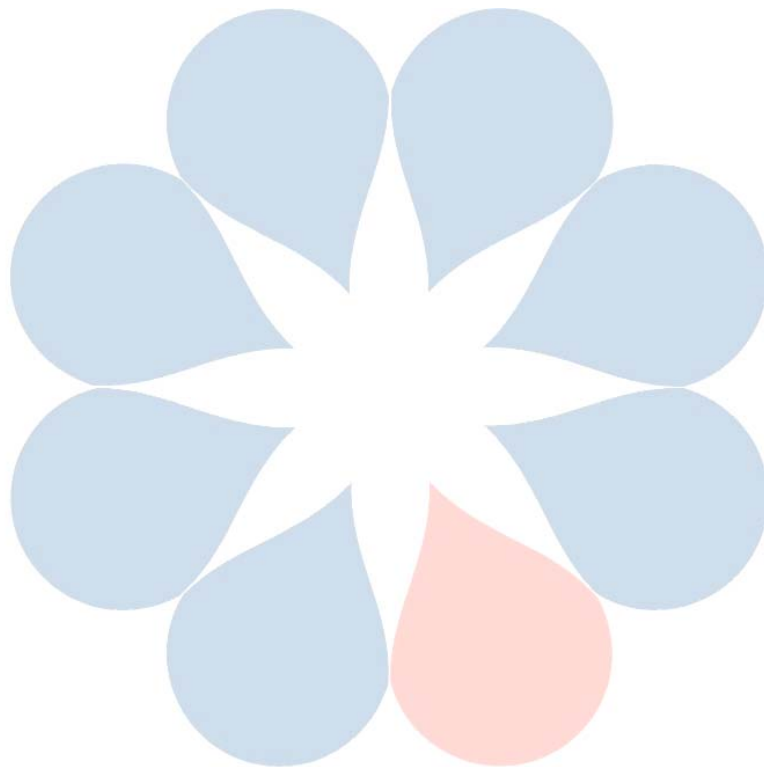
Safety Data Sheet
complying with Regulation 1907/2006/EC (REACH
Regulation, 453/2010/EC and Regulation No 1272/2008/EC
(CLP)

Printing date 11.02.2015

Version number 1

Revision: 11.02.2015

Trade name: VIGOR ALFADIESEL15W40



AEGEAN