



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

Printing date 17.02.2015

Version number 1

Revision: 17.02.2015

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

- **1.1 Product identifier: 71214308**
- **Trade name: ALFADIESEL SAE 40**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
 No relevant identified uses the chemical product is exempted from REACH Regulation, 1907/2006/EC.
- **Application of the substance / the mixture** Engine Lubricant
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
 Aegean  
 10, Akti Kondyli,  
 Piraeus, Greece, 185 45  
 Tel: (+30) 210 4586000  
 Fax: (+30) 210 4586244  
 E-mail: technical@aegeanlubes.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.

(Contd. on page 2)

GB



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

Printing date 17.02.2015

Version number 1

Revision: 17.02.2015

**Trade name: ALFADIESEL SAE 40**

(Contd. of page 1)

- **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

- **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.

- **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)



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

Printing date 17.02.2015

Version number 1

Revision: 17.02.2015

**Trade name: ALFADIESEL SAE 40**

(Contd. of page 2)

**· Dangerous components:**

	Mineral oil Xn R65 Asp. Tox. 1, H304	1-≤2.5%
CAS: 68457-79-4 EINECS: 270-608-0 Reg.nr.: 01-2119493628-22-XXXX	Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts Xi R38-41;  N R51/53 Eye Dam. 1, H318;  Aquatic Chronic 2, H411;  Skin Irrit. 2, H315	1-<2.5%
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	0.3-<0.5%

#### 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:**

Wash the skin immediately with soap and water.  
 If skin irritation continues, consult a doctor.

**· After eye contact:**

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.  
 Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

**· After swallowing:**

Rinse out mouth and then drink plenty of water.  
 Never give anything by mouth to an unconscious person  
 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.

(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 17.02.2015

Version number 1

Revision: 17.02.2015

**Trade name: ALFADIESEL SAE 40**

(Contd. of page 3)

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, 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 (CO<sub>2</sub>)
- **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**  
Avoid contact with spilled material  
Keep away from ignition sources.  
Ensure sufficient ventilation.
- **6.1.2 For emergency responders**  
Wear protective equipment. Keep unprotected persons away.  
Use chemicals resistant gloves.  
Use antistatic and slip resistant boots.  
Use safety goggles, in case of contact with the eyes.
- **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:**  
Pick up mechanically with a non combustible material such as earth or sand.  
Caution for slippery surfaces
- **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.

(Contd. on page 5)

GB



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

Printing date 17.02.2015

Version number 1

Revision: 17.02.2015

**Trade name: ALFADIESEL SAE 40**

(Contd. of page 4)

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Avoid contact with skin, eyes and clothing.
- **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.

### 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.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
 Wash hands before breaks and at the end of work.
- **Respiratory protection:**



Use suitable respiratory protective device in case of insufficient ventilation.

- **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

(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 17.02.2015

Version number 1

Revision: 17.02.2015

**Trade name: ALFADIESELSAE 40**

(Contd. of page 5)

· **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:**



Tightly sealed goggles

· **Body protection:**



Protective work clothing

**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

· **Pouring point** -18 °C According method ASTM D-97

· **Flash point:** 220 °C According method ASTM D-92

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

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

· **Decomposition temperature:** Not determined

· **Self-igniting:** Product is not selfigniting.

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

(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 17.02.2015

Version number 1

Revision: 17.02.2015

**Trade name: ALFADIESEL SAE 40**

(Contd. of page 6)

- |   |  |
|---|--|
| · <b>Explosion limits:</b>                        |  |
| <b>Lower:</b>                                     | Not determined                             |
| <b>Upper:</b>                                     | Not determined                             |
| · <b>Vapour pressure:</b>                         | Not determined                             |
| · <b>Density:</b>                                 | Not determined                             |
| · <b>Relative density</b>                         | Not determined                             |
| · <b>Vapour density</b>                           | Not determined                             |
| · <b>Evaporation rate</b>                         | Not determined                             |
| · <b>Solubility in / Miscibility with water:</b>  | Not miscible or difficult to mix.          |
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined                             |
| · <b>Viscosity:</b>                               |  |
| <b>Dynamic:</b>                                   | Not determined                             |
| <b>Kinematic:</b>                                 | Not determined                             |
| · <b>9.2 Other information</b>                    | 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**  
Oxidising agents  
Avoid heat, sparkles, naked flame or other sources of ignition.
- **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

(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 17.02.2015

Version number 1

Revision: 17.02.2015



**Trade name: ALFADIESEL SAE 40**

(Contd. of page 7)

### 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.
- **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

- |  |      |
|--|------|
| · <b>14.1 UN-Number</b>                  |      |
| · <b>ADR, ADN, IMDG, IATA</b>            | Void |
| · <b>14.2 UN proper shipping name</b>    |      |
| · <b>ADR, ADN, IMDG, IATA</b>            | Void |
| · <b>14.3 Transport hazard class(es)</b> |      |
| · <b>ADR, ADN, IMDG, IATA</b>            |      |
| · <b>Class</b>                           | Void |

(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 17.02.2015

Version number 1

Revision: 17.02.2015

<b>Trade name: ALFADIESEL SAE 40</b>
--------------------------------------

(Contd. of page 8)

### SECTION 14: Transport information

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

### 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**
- |  |
|--|
| <b>· Substances of very high concern (SVHC) according to REACH, Article 57</b> |
| 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.

- Relevant phrases**
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H361 Suspected of damaging fertility or the unborn child.

(Contd. on page 10)

GB



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

Printing date 17.02.2015

Version number 1

Revision: 17.02.2015

**Trade name: ALFADIESEL SAE 40**

(Contd. of page 9)

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.

R36/38 Irritating to eyes and skin.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

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.

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

Repr. 2: Reproductive toxicity, Hazard Category 2

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, 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