

# Safety Data Sheet

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

Printing date 21.05.2015

Version number 2

Revision: 27.03.2015

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

### · 1.1 Product identifier

· **Trade name:** ALFADIESEL 20W-50

· **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 further relevant information available.

· **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 4586244

E-mail: [alfalubes@ampni.com](mailto: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.

(Contd. on page 2)

# Safety Data Sheet

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

Printing date 21.05.2015

Version number 2

Revision: 27.03.2015

**Trade name: ALFADIESEL 20W-50**

(Contd. of page 1)

- **Hazard pictograms**



GHS07

- **Signal word** Warning

- **Hazard statements**

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

- **Precautionary statements**

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.

- **Ingredients:**

	Mineral oil	3-<10%
	 Xn R65	
	 Asp. Tox. 1, H304	

(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 21.05.2015

Version number 2

Revision: 27.03.2015

**Trade name: VIGOR TURBO SD 20W-50**

		(Contd. of page 2)
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 ☒ Xn R62; ☒ Xi R36/38; ☒ N R50/53 Repr. Cat. 3 ☒ Repr. 2, H361f; ☒ Aquatic Acute 1, H400; Aquatic Chronic 1, H410 (M=10); ☒ Skin Irrit. 2, H315; Eye Irrit. 2, H319	0.1-<0.25%

#### 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.

Remove contaminated clothing.

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:**

Never give anything by mouth to an unconscious person.

Do not induce vomiting.

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.

(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 21.05.2015

Version number 2

Revision: 27.03.2015

**Trade name:** ALFADIESEL 20W-50

(Contd. of page 3)

**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:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.  
Use fire extinguishing methods suitable to surrounding conditions.

**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**

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.

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:**

Caution for slippery surfaces

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

**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.

GB

(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 21.05.2015

Version number 2

Revision: 27.03.2015

**Trade name: ALFADIESEL 20W-50**

(Contd. of page 4)

## SECTION 7: Handling and storage

### · 7.1 Precautions for safe handling

Observe the general safety regulations when handling chemicals.  
Avoid contact with skin, eyes and clothing.

### · Information about fire - and explosion protection:

Keep away from sources of ignition and flammable materials.

### · 7.2 Conditions for safe storage, including any incompatibilities

#### · Storage:

#### · Requirements to be met by storerooms and receptacles:

Store in a cool location.

Prevent any seepage into the ground.

#### · 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: 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.

(Contd. on page 6)

# Safety Data Sheet

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

Printing date 21.05.2015

Version number 2

Revision: 27.03.2015

**Trade name: ALFADIESEL 20W-50**

(Contd. of page 5)

- **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

## SECTION 9: Physical and chemical properties

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

- **General Information**

- **Appearance:**

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

· <b>pH value:</b>	Not determined
· <b>Melting point/Melting range:</b>	Not determined
· <b>Boiling point/Boiling range:</b>	Not determined
· <b>Pouring point</b>	-24 °C (ASTM D-97)

· <b>Flash point:</b>	220 °C (ASTM D-92 COC)
-----------------------	------------------------

· <b>Flammability (solid, gaseous):</b>	Not applicable
---	----------------

· <b>Auto-ignition temperature:</b>	Not determined
-------------------------------------	----------------

· <b>Decomposition temperature:</b>	Not determined
-------------------------------------	----------------

· <b>Self-igniting:</b>	Product is not selfigniting.
-------------------------	------------------------------

· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
-------------------------------	---

· <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
-------------------	----------------

(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 21.05.2015

Version number 2

Revision: 27.03.2015

**Trade name: ALFADIESEL 20W-50**

(Contd. of page 6)

· <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 at 100 °C:</b>	18.2 cSt (ASTM D-445)
· <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
- **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.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
The product contains materials that are harmful to the environment.

(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 21.05.2015

Version number 2

Revision: 27.03.2015

**Trade name: ALFADIESEL 20W-50**

(Contd. of page 7)

- 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**  
Do not discharge to the environment and drains.



Dispose according to National Regulations.

- **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>   | Void            |
| · <b>ADR, ADN, IMDG, IATA</b>   | Void            |
| · <b>14.2 UN proper shipping name</b>   | Void            |
| · <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            |
| · <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. |

(Contd. on page 9)





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

Printing date 21.05.2015

Version number 2

Revision: 27.03.2015

**Trade name: ALFADIESEL 20W-50**

(Contd. of page 8)

· **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

Constituents of the mixture that fall within the scope of REACH Regulation 1907/2006/EC, have been (pre)-registered from their suppliers.

· **Labelling according to Regulation (EC) No 1272/2008** Label elements in Section 2.2

· **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.

· **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.

H361f Suspected of damaging 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.

R36/38 Irritating to eyes and skin.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitisation by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

(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 21.05.2015

Version number 2

Revision: 27.03.2015

**Trade name: ALFADIESEL 20W-50**

(Contd. of page 9)

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R62 Possible risk of impaired fertility.

R65 Harmful: may cause lung damage if swallowed.

· **Department issuing MSDS:**



SUSTCHEM Engineering Ltd  
REACH & Chemical Services Department  
144, 3rd Septemvriou, GR 112 51, Athens, Greece  
Tel.: +30 210 8252510-4 Fax: +30 210 8252575  
E-mail: info@suschem.gr  
Website: www.sustchem.gr

· **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)

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 - 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

· **\* Data compared to the previous version altered.**

Change at the M-factor of a component