

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

Printing date 10.05.2015

Version number 2

Revision: 14.04.2015

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name:** ALFACYLO 100 HS**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

10, Akti Kondyli,

Piraeus, Greece, 185 45

Tel: (+30) 210 4586000 Fax: (+30) 2104586245

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**

GHS09 environment

Aquatic Chronic 2 H411 Toxic 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 10.05.2015

Version number 2

Revision: 14.04.2015

**Trade name: ALFACYLO 100 HS**

(Contd. of page 1)

**Hazard pictograms**












GHS09

- **Signal word** Void
- **Hazard statements**  
H411 Toxic to aquatic life with long lasting effects.
- **Precautionary statements**  
P102 Keep out of reach of children.  
P273 Avoid release to the environment.  
P391 Collect spillage.  
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.

**Dangerous components:**

CAS: 68412-54-4 NLP: 500-209-1	Nonylphenol, branched, ethoxylated  Xi R36/38;  N R50/53  Aquatic Acute 1, H400; Aquatic Chronic 1, H410;  Skin Irrit. 2, H315; Eye Irrit. 2, H319	1-<2.5%
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	0.3-<1%

**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
- **General information:** Take affected persons out into the fresh air.
- **After inhalation:** Seek medical treatment in case of complaints.

(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 10.05.2015

Version number 2

Revision: 14.04.2015

**Trade name: ALFACYLO 100 HS**

(Contd. of page 2)

- **After skin contact:**  
Wash the skin immediately with soap and water.  
If skin irritation continues, consult a doctor.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
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:**  
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**  
Keep away from ignition sources.  
Ensure sufficient ventilation.
- **6.1.2 For emergency responders**  
Stop further leakage, if possible.  
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:**  
Pick up mechanically with a non combustible material such as earth or sand.

(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 10.05.2015

Version number 2

Revision: 14.04.2015

**Trade name: ALFACYLO 100 HS**

(Contd. of page 3)

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.

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling** Avoid contact with hot product
- **Information about fire - and explosion protection:** No special measures required.
- **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

**· Eye protection:**

Goggles recommended during refilling

(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 10.05.2015

Version number 2

Revision: 14.04.2015

**Trade name: ALFACYLO 100 HS**

(Contd. of page 4)

- **Body protection:** Not required under normal conditions of use.

### 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>	-9 °C (ASTM D-97)

· <b>Flash point:</b>	227 °C (COC ASTM D-92)
-----------------------	------------------------

· <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
· <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 40 °C:</b>	245.0 cSt (ASTM D-445)

(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 10.05.2015

Version number 2

Revision: 14.04.2015

**Trade name: ALFACYLO 100 HS**

(Contd. of page 5)

- |                                |  |
|--------------------------------|--|
| <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 skin:** No irritating effect.
  - **on the eye:** No 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.  
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.

GB

(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 10.05.2015

Version number 2

Revision: 14.04.2015

**Trade name: ALFACYLO 100 HS**

(Contd. of page 6)

## 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**
**· ADR, IMDG, IATA**

UN3082

**· 14.2 UN proper shipping name**
**· ADR**
**· IMDG**

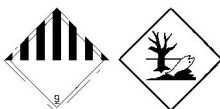
Void

 ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S.

 (Nonylphenol, branched, ethoxylated, Phenol,  
dodecyl-, branched), MARINE POLLUTANT

**· IATA**

 ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S.

**· 14.3 Transport hazard class(es)**
**· ADR, IMDG, IATA**

**· Class**

 9 Miscellaneous dangerous substances and  
articles.

**· Label**

9

**· 14.4 Packing group**
**· ADR, IMDG, IATA**

III

(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 10.05.2015

Version number 2

Revision: 14.04.2015

**Trade name: ALFACYLO 100 HS**

(Contd. of page 7)

**· 14.5 Environmental hazards:**

- |                                  |                        |
|----------------------------------|------------------------|
| · <b>Marine pollutant:</b>       | Symbol (fish and tree) |
| · <b>Special marking (ADR):</b>  | Symbol (fish and tree) |
| · <b>Special marking (IATA):</b> | Symbol (fish and tree) |

- |  |   |
|--|---|
| · <b>14.6 Special precautions for user</b> | Warning: Miscellaneous dangerous substances and articles. |
|--|---|

- |                                |         |
|--------------------------------|---------|
| · <b>Danger code (Kemler):</b> | 90      |
| · <b>EMS Number:</b>           | F-A,S-F |

- |   |                 |
|---|-----------------|
| · <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable. |
|---|-----------------|

**· Transport/Additional information:**

- |                                   |   |
|-----------------------------------|---|
| · <b>ADR</b>                      |   |
| · <b>Limited quantities (LQ)</b>  | 5L  |
| · <b>Excepted quantities (EQ)</b> | Code: E1  |
|                                   | Maximum net quantity per inner packaging: 30 ml   |
|                                   | Maximum net quantity per outer packaging: 1000 ml |
| · <b>Transport category</b>       | 3   |
| · <b>Tunnel restriction code</b>  | E   |
| · <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

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

**· 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.

GB

(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 10.05.2015

Version number 2

Revision: 14.04.2015

**Trade name: ALFACYLO 100 HS**

(Contd. of page 8)

**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**

H315 Causes skin irritation.

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.

R36/38 Irritating to eyes and skin.

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

R62 Possible risk of impaired fertility.

**· Department issuing MSDS:**

SUSTCHEM Engineering Ltd

REACH &amp; 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](mailto:info@suschem.gr)Website: [www.sustchem.gr](http://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 Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Repr. 2: Reproductive toxicity, Hazard Category 2

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

**· \* Data compared to the previous version altered. Change at the classification/labelling**