



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: 27.02.2015

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

· 1.1 Product identifier

· **Trade name:** ALFACYLO 540 LS

· **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 the chemical product is exempted from REACH Regulation, 1907/2006/EC.

· **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**



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.

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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:

	Long chain alkyl phenate alkaryl sulphonate R53 Aquatic Chronic 4, H413	3-<10%
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-<0.5%

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** Take affected persons out into the fresh air.

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- **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:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **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 oxides
- **5.3 Advice for firefighters**
- **Protective equipment:**
Use of protective clothes and respiratory device is being recommended 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.
Avoid contact with spilled material.
- **6.1.2 For emergency responders**
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.

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Do not allow to penetrate the ground/soil.

· 6.3 Methods and material for containment and cleaning up:

Caution for slippery surfaces

Transfer collected product to suitable containers for recycle, recovery or safe disposal.

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.

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

Use adequate personal protective equipment as required. For more information regarding protective equipment see section 8.

Observe the general safety regulations when handling chemicals.

· 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.

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

· 8.2 Exposure controls**· Personal protective equipment:****· General protective and hygienic measures:**

Do not eat, drink or smoke while using the product.

Wash hands before breaks and at the end of work.

· Respiratory protection: Not required.

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· **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:**

In processing and repackaging where is possible the eye-contact wear 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:**

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	-9 °C (ASTM D-97)

· Flash point:	264 °C (ASTM D-92 COC)
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· Flammability (solid, gaseous):	Not applicable
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· 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.
· 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
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined
· Viscosity:	
Dynamic:	Not determined
Kinematic at 40 °C:	230 cSt (ASTM D-445)
· 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** 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.

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- **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
- **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.

- **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 | Void |
| · IMDG | ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S. (Phenol,
dodecyl-, branched), MARINE POLLUTANT |
| · IATA | ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S. |

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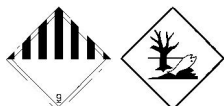
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· 14.3 Transport hazard class(es)
· ADR, IMDG, IATA


· Class	9 Miscellaneous dangerous substances and articles.
· Label	9

· 14.4 Packing group

· ADR, IMDG, IATA	III
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· 14.5 Environmental hazards:

· Marine pollutant:	Symbol (fish and tree)
· Special marking (ADR):	Symbol (fish and tree)
· Special marking (IATA):	Symbol (fish and tree)

· 14.6 Special precautions for user	Warning: Miscellaneous dangerous substances and articles.
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· Danger code (Kemler):	90
· EMS Number:	F-A,S-F

· 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC

Code	Not applicable.
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· Transport/Additional information:

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

· UN "Model Regulation":	-
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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

· **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**

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.

H413 May cause long lasting harmful effects to aquatic life.

R36/38 Irritating to eyes and skin.

R50/53 Very 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.

R62 Possible risk of impaired fertility.

· **Department issuing MSDS:**



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REACH & Chemical Services Department

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· **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

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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

Aquatic Chronic 4: Hazardous to the aquatic environment - Chronic Hazard, Category 4

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

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