Safety Data Sheet

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

Printing date 21.01.2015 Version number 1 Revision: 21.01.2015

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

· **1.1 Product identifier 71213303**

· **Trade name:** ALFATURBO 100

· **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** Turbine Oil

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**
Aegean Marine Petroleum SA 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**
The product is not classified according to the CLP regulation.

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
Not classified

· **2.2 Label elements**

· **Labelling according to Regulation EC No 1272/2008 CLP** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **Additional information:**
Contains N,N-bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine. May produce an allergic reaction.
Safety data sheet available on request.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

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SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**
· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 80584-90-3 EINECS: 279-503-4	N,N-bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1-methylamine Xi R38; Xi R43; N R51/53 Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	0.1-<1%
CAS: 80595-74-0 EINECS: 279-514-4	N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine Xi R38; Xi R43; N R51/53 Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	0.1-<1%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **General information:**
No special measures required.
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.
Wash contaminated clothing before use.
If skin irritation continues, consult a doctor. Generally the product does not irritate the skin.
· **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.

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· **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, dry chemical powder, foam, earth or sand
· **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** Use personal protective equipment. Keep away from ignition sources. Avoid contact with spilled material
· **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:** No special measures required.
· **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.

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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
· **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.
· **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.
· **Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

· **Protection of hands:**

Protective gloves

· **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.

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· **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:**	
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**	-24 °C (ASTM D-97)
· **Flash point:**	220 °C (COC 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.
· **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

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· **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: 100.0 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:**
No decomposition if used and stored according to specifications.
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 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.
· **Additional ecological information:**
· **General notes:** Not known to be hazardous to water.

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· **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, ADN, IMDG, IATA**	Void
· **14.2 UN proper shipping name** · **ADR, ADN, IMDG, IATA**	Void
· **14.3 Transport hazard class(es)** · **ADR, ADN, IMDG, IATA** · **Class**	Void
· **14.4 Packing group** · **ADR, IMDG, IATA**	Void
· **14.5 Environmental hazards:**	Not applicable.
· **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":**	-

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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.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

R38 Irritating to skin.
R43 May cause sensitisation by skin contact.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **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) Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2