

Marine16 Diesel Fuel Complete

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name Marine16 Diesel Fuel Complete
 CAS No. Not applicable.
 EC No. Not applicable.
 REACH Registration No. Not known.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s) Fuel treatment .
 Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet

Manufacturer
 Company Identification Marine16 Ltd
 Address of Manufacturer Unit 6
 Dyffryn Enterprise Park
 Newtown
 Powys
 Postal code SY16 3BD
 Telephone: 01686 522213
 Fax Not known.
 E-mail marine16uk@outlook.com
 Office hours 08:00 - 17:00

Supplier
 Company Identification Marine16 Ltd
 Address of Supplier Unit 6
 Dyffryn Enterprise Park
 Newtown
 Powys
 Postal code SY16 3BD
 Telephone: 01686 522213
 Fax Not known.
 E-mail marine16uk@outlook.com
 Office hours 08:00 - 17:00

1.4 Emergency telephone number

Emergency Phone No. 07590073381
 Contact Steven Cox
 National response center
 Address NHS Direct
 Emergency Phone No. +44 111

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) Acute Tox. 4 :Harmful if swallowed.
 Asp. Tox. 1 :May be fatal if swallowed and enters airways.
 Acute Tox. 4 :Harmful in contact with skin.
 Skin Corr. 1B :Causes severe skin burns and eye damage.
 Skin Sens. 1A :May cause an allergic skin reaction.
 Eye Dam. 1 :Causes serious eye damage.
 Acute Tox. 4 :Harmful if inhaled.
 Muta. 1B :May cause genetic defects.
 Carc. 1B :May cause cancer.
 Aquatic Chronic 2 :Toxic to aquatic life with long lasting effects.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)
 Product Name Marine16 Diesel Fuel Complete

Hazard Pictogram(s)



GHS05



GHS08



GHS07



GHS09

Signal Word(s)

Danger

Marine16 Diesel Fuel Complete

Hazard Statement(s) H302: Harmful if swallowed.
 H304: May be fatal if swallowed and enters airways.
 H312: Harmful in contact with skin.
 H314: Causes severe skin burns and eye damage.
 H317: May cause an allergic skin reaction.
 H332: Harmful if inhaled.
 H340: May cause genetic defects.
 H350: May cause cancer.
 H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s) P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310: Immediately call a POISON CENTER/doctor.

2.3 Other hazards

None known.

2.4 Additional Information

For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
2-ethylhexyl nitrate	27247-96-7	248-363-6	50-70	Acute Tox. 4 H302 Acute Tox. 4 H312 Acute Tox. 4 H332 Aquatic Chronic 2 H411	GHS07 GHS09
Naphtha (petroleum), hydrotreated light Low boiling point hydrogen treated naphtha [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately minus 20°C to 190°C (-4°F to 374°F).]	64742-49-0	265-151-9	30-50	Asp. Tox. 1 H304 Muta. 1B H340 Carc. 1B H350	GHS08
3,3'-methylenebis[5-methyloxazolidine]	66204-44-2	266-235-8	<10	Acute Tox. 4 H302 Acute Tox. 3 H311 Skin Corr. 1B H314 Skin Sens. 1A H317 Eye Dam. 1 H318 Acute Tox. 4 H332 Muta. 2 H341 Carc. 1B H350 STOT RE 2 H373 Aquatic Chronic 2 H411	GHS06 GHS05 GHS08 GHS07 GHS09
2-ethylhexan-1-ol	104-76-7	203-234-3	<5	Skin Irrit. 2 H315 Eye Irrit. 2 H319 Acute Tox. 4 H332 STOT SE 3 H335	GHS07

SECTION 4: FIRST AID MEASURES

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4.1 Description of first aid measures

Inhalation Immediately call a POISON CENTER/doctor.
 Skin Contact Take off immediately all contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see Medical Advice on this label). Rinse skin with water. Immediately call a POISON CENTER/doctor.
 Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
 Ingestion Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

4.2 Most important symptoms and effects, both acute and delayed

Causes burns. Allergic contact dermatitis.

4.3 Indication of any immediate medical attention and special treatment needed

Specific treatment (see Medical Advice on this label). Immediately call a POISON CENTER/doctor. Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media As appropriate for surrounding fire.
 Unsuitable extinguishing media None.

5.2 Special hazards arising from the substance or mixture

May decompose in a fire, giving off toxic and irritant vapours.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Dike fire control water for later disposal.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Ensure full personal protection (including respiratory protection) during removal of spillages.

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material. Contain spillages with sand, earth or any suitable adsorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

7.2 Conditions for safe storage, including any incompatibilities

Store locked up.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

None known.

7.3 Specific end use(s)

Fuel treatment .

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTTEL (8 hr TWA ppm)	LTTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
2-ethylhexan-1-ol	104-76-7	1	5.4			

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2-ethylhexan-1-ol	104-76-7	1	5.4			IOELV
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Region EU United Kingdom
 Source EU Occupational Exposure Limits
 UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

Remark IOELV
 Notes Indicative Occupational Exposure Limit Values.

8.2 Exposure controls

8.2.1. Appropriate engineering controls Use with ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection Wear eye protection with side protection (EN166).



Skin protection Wear protective clothing and gloves: Impervious gloves (EN 374).



Respiratory protection A suitable mask with filter type A (EN14387 or EN405) may be appropriate.



Thermal hazards None known.

8.2.3. Environmental Exposure Controls Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance Liquid.
 Colour : Brown.
 Odour Aromatic.
 Odour threshold Not known.
 pH Not known.
 Melting point/freezing point Not known.
 Initial boiling point and boiling range Not known.
 Flash Point 73 °C
 Evaporation rate Not known.
 Flammability (solid, gas) Not known.
 Upper/lower flammability or explosive limits Not known.
 Vapour pressure Not known.
 Vapour density Not known.
 Density (g/ml) 0.8 %
 Relative density Not known.
 Solubility(ies) Solubility (Water) : Insoluble in water.
 Solubility (Other) : Paraffin oil.
 Partition coefficient: n-octanol/water Not known.
 Auto-ignition temperature Not known.
 Decomposition Temperature (°C) Not known.
 Viscosity Not known.
 Explosive properties Not known.
 Oxidising properties Not known.

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

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- None anticipated.
- 10.2 Chemical Stability**
Stable under normal conditions.
- 10.3 Possibility of hazardous reactions**
No hazardous reactions known if used for its intended purpose.
- 10.4 Conditions to avoid**
None anticipated.
- 10.5 Incompatible materials**
Not known.
- 10.6 Hazardous decomposition products**
No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

- Acute toxicity - Ingestion
Calculation method : Harmful if swallowed.
Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 778.82000
- Acute toxicity - Skin Contact
Calculation method : Harmful in contact with skin.
Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 1418.74000
- Acute toxicity - Inhalation
Calculation method : Harmful if inhaled.
Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 16.92000
- Skin corrosion/irritation
Calculation method : Causes severe skin burns and eye damage.
- Serious eye damage/irritation
Calculation method : Causes serious eye damage.
- Skin sensitization data
Calculation method : May cause an allergic skin reaction.
May cause irritation.
- Respiratory sensitization data
Not classified.
- Germ cell mutagenicity
Calculation method : May cause genetic defects.
- Carcinogenicity
Calculation method : May cause cancer.
- Reproductive toxicity
Not classified.
- Lactation
Not classified.
- STOT - single exposure
Not classified.
- STOT - repeated exposure
Not classified.
- Aspiration hazard
May be fatal if swallowed and enters airways.

11.2 Other information

Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

- Toxic to aquatic life with long lasting effects.
- Toxicity - Aquatic invertebrates
Not known.
- Toxicity - Fish
Not known.
- Toxicity - Algae
Not known.
- Toxicity - Sediment Compartment
Not classified.
- Toxicity - Terrestrial Compartment
Not classified.

12.2 Persistence and degradability

Not known.

12.3 Bioaccumulative potential

Not known.

12.4 Mobility in soil

Not known.

12.5 Results of PBT and vPvB assessment

Not known.

12.6 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point. Dispose at suitable refuse site.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

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SECTION 14: TRANSPORT INFORMATION

14.1 UN number

UN No. 3082

14.2 UN proper shipping name

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3 Transport hazard class(es)

ADR/RID

ADR/RID Class 9
 ADR Classification Code M6
 Special Provisions 274 335 375 601
 Limited Quantities 5 L
 Excepted Quantities E1
 Emergency Action Code +3Z
 Mixed Packing Instructions for Packages P001 IBC03 LP01 R001
 Special Packing Provisions for Packages PP1
 Mixed Packing Instructions for Packages MP19
 Packing Instructions for Portable Tanks T4
 Special Provisions for Portable Tanks TP1 TP29
 Tank Code for Tanks LGBV
 Special Provisions for Tanks
 Vehicle for Tank Carriage AT
 ADR Transport Category 3
 Tunnel Restriction Code -
 Special Provisions for Carriage - Packages V12

Special Provisions for Carriage - Bulk

Special Provisions for Carriage - Loading, CV13

Unloading and Handling

Special Provisions for Carriage - Operation

ADR HIN 90

IMDG

IMDG Class 9
 Special Provisions 274 335 375 601
 Limited Quantities 5 L
 Excepted Quantities E1
 Mixed Packing Instructions for Packages P001 IBC03 LP01 R001
 Special Packing Provisions for Packages PP1
 Packing Instructions for Portable Tanks T4
 Special Provisions for Portable Tanks TP1 TP29

IMDG EMS

Stowage and Handling Category A

Segregation

Marine Pollutant

ICAO/IATA

IATA Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Excepted Quantities E1

Passenger and Cargo Aircraft Limited Y964

Quantities Packing Instructions

Passenger and Cargo Aircraft Limited 30Kg G

Quantities Max net Qty

Passenger and Cargo Aircraft Packing 964

Instructions

Passenger and Cargo Aircraft Max net 450L

Qty

Cargo Aircraft Packing Instructions 964

Cargo Aircraft Max net Qty 450L

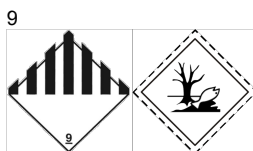
Special Provisions A97, A158 A197

Emergency Response Guidebook (ERG) 9L

Code

Labels

Labels



14.4 Packing group

Packing group III

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14.5 Environmental hazards

Environmental hazards Classified as a Marine Pollutant.

14.6 Special precautions for user

Special precautions for user Not known.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No information available

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

REACH: ANNEX XIV list of substances subject to authorisation Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Carcinogens: category 1B (64742-49-0), 2-ethylhexyl nitrate (27247-96-7), 2-ethylhexan-1-ol (104-76-7), 3,3'-methylenebis[5-methyloxazolidine] (66204-44-2)

Community Rolling Action Plan (CoRAP) 2-ethylhexan-1-ol (104-76-7)

Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed

National regulations

Other Not known.

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s)



GHS05



GHS08



GHS07



GHS09

GHS06: GHS: Skull and crossbones

Hazard classification

Acute Tox. 4 : Acute toxicity, Category 4
 Asp. Tox. 1 : Aspiration hazard, Category 1
 Acute Tox. 3 : Acute toxicity, Category 3
 Acute Tox. 4 : Acute toxicity, Category 4
 Skin Corr. 1B : Skin corrosion/irritation, Category 1B
 Skin Irrit. 2 : Skin corrosion/irritation, Category 2
 Skin Sens. 1A : Skin sensitization, Category 1A
 Eye Dam. 1 : Serious eye damage/irritation, Category 1
 Eye Irrit. 2 : Serious eye damage/irritation, Category 2
 Acute Tox. 4 : Acute toxicity, Category 4
 STOT SE 3 : Specific target organ toxicity — single exposure, Category 3
 Muta. 1B : Germ cell mutagenicity, Category 1B
 Muta. 2 : Germ cell mutagenicity, Category 2
 Carc. 1B : Carcinogenicity, Category 1B
 STOT RE 2 : Specific target organ toxicity — repeated exposure, Category 2
 Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2

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Hazard Statement(s)

H302: Harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H311: Toxic in contact with skin.
H312: Harmful in contact with skin.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H340: May cause genetic defects.
H341: Suspected of causing genetic defects.
H350: May cause cancer.
H373: May cause damage to organs through prolonged or repeated exposure.
H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash hands and exposed skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352: IF ON SKIN: Wash with plenty of water.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P310: Immediately call a POISON CENTER/doctor.
P312: Call a POISON CENTER/doctor if you feel unwell.
P321: Specific treatment (see Medical Advice on this label).
P330: Rinse mouth.
P331: Do NOT induce vomiting.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
P363: Wash contaminated clothing before reuse.
P391: Collect spillage.
P405: Store locked up.

Acronyms

P501: Dispose of contents in accordance with local, state or national legislation.
ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS : Chemical Abstracts Service
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL : Derived No Effect Level
EC : European Community
EINECS : European Inventory of Existing Commercial Chemical Substances
IATA : International Air Transport Association
IBC : Intermediate Bulk Container
ICAO : International Civil Aviation Organization

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IMDG : International Maritime Dangerous Goods

LTEL : Long term exposure limit

PBT : Persistent, Bioaccumulative and Toxic

PNEC : Predicted No Effect Concentration

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

RID : Regulations concerning the International Carriage of Dangerous Goods by Rail

STEL : Short term exposure limit

STOT : Specific Target Organ Toxicity

UN : United Nations

vPvB : very Persistent and very Bioaccumulative

Disclaimers

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