



SAFETY DATA SHEET MARINE C 50/70

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

1.1. Product identifier

Product name MARINE C 50/70

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

Identified uses Marine Oil Please look at the Technical Data Sheet of the product for further information.

1.3. Details of the supplier of the safety data sheet

Supplier OPET FUCHS MADENİ YAĞ SAN. ve TİC. A.Ş.
Atatürk Organize Sanayi Bölgesi 10006 Sok.
No:12 35620 Çiğli/İZMİR
Tel: +90 232 376 78 38
Fax: +90 232 376 78 39

1.4. Emergency telephone number

Emergency telephone UZEM (National Poison Consultancy Center): 114
Emergency Health Service:112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Aquatic Chronic 2 - H411

Human health May cause sensitisation or allergic reactions in sensitive individuals. USED ENGINE OILS are more dangerous than new engine oils. Used engine oils may contain hazardous components which have the potential to cause skin cancer.

Environmental The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Physicochemical The product is not classified as flammable, but at a temperature above the flash point is flammable when exposed to flame sources.

2.2. Label elements

Pictogram



Hazard statements H411 Toxic to aquatic life with long lasting effects.
EUH208 Contains Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivatives, calcium salts. May produce an allergic reaction.

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Precautionary statements P273 Avoid release to the environment.
P391 Collect spillage.
P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Benzenesulfonic acid, methyl-, mono-C20-26-branched alkyl derivatives, calcium salts CAS number: 722503-69-7	5-10%
Classification Aquatic Chronic 4 - H413	
Phenol, dodecyl-,sulfurized, carbonates, calcium salts, overbased CAS number: 68784-26-9 EC number: 272-234-3	1-5%
Classification Aquatic Chronic 4 - H413	
Phenol, dodecyl-, branched CAS number: 121158-58-5 EC number: 310-154-3 M factor (Acute) = 10 M factor (Chronic) = 10	<1%
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Repr. 1B - H360 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivatives, calcium salts CAS number: 722503-68-6 EC number: 682-816-2	<1%
Classification Skin Sens. 1B - H317 Aquatic Chronic 4 - H413	

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ETHANEDIOL	<1%
CAS number: 107-21-1	EC number: 203-473-3
Classification	
Acute Tox. 4 - H302	
STOT RE 2 - H373	

The full text for all hazard statements is displayed in Section 16.

Composition comments Note L: The product contain special performance additives and base oils which are considered to be severely refined and not considered to be carcinogenic. All of the base oils in the product have been demonstrated to contain less than 3% (w/w) dimethyl sulfoxide extract by the IP 346 test.

SECTION 4: First aid measures**4.1. Description of first aid measures**

General information	Get medical attention if any discomfort continues. Not expected to give rise to an acute hazard under normal conditions of use.
Inhalation	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Contact physician if larger quantity has been consumed. Never give anything by mouth to an unconscious person. Do not induce vomiting.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Continue to rinse for at least 15 minutes. Get medical attention. Get medical attention if any discomfort continues. Remove affected person from source of contamination. Wash clothing before reuse.
Eye contact	Get medical attention if any discomfort continues. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	No specific symptoms known.
Ingestion	No specific symptoms known.
Skin contact	May cause an allergic skin reaction.
Eye contact	No specific symptoms known.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Symptomatic treatment should be applied. In case of excessive inhalation of the product vapor may lead to lung inflammation (chemical pneumonitis). Dermatitis may result from prolonged or repeated exposure.
Specific treatments	Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media	Use Film-Making Foam Concentrate (A.F.F.F.) to extinguish the burning product. If not available, extinguish with dry chemical powder due to the size of fire. If the product is in pressurized container, cool with water spray jet.
Unsuitable extinguishing media	During a fire, DO NOT extinguish by applying pressurized water and water jet directly on the burning product. Use water fog to cool down.

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5.2. Special hazards arising from the substance or mixture

Specific hazards	This product is not explosive. Do not heat up near flash point.
Hazardous combustion products	In case of fire toxic and corrosive gases may form. These gases: Carbon dioxide, carbon monoxide, sulphur oxides, phosphorus oxides, metal oxides

5.3. Advice for firefighters

Protective actions during firefighting	In case of fire, shut off flow if it can be done without risk. Stop leak if safe to do so. Move undamaged containers from fire area if it can be done without risk. Prevent the burning product from entering into drainage system to avoid release of the product. To prevent spreading of the product build-up binders or barriers by using non-burning material such as sand. Use air-supplied respirators to protect against gases/fumes in case of fire-fighting.
Special protective equipment for firefighters	Fire-fighting should be done by trained personnel. Special protective full-clothing, air-supplied respirator, gloves and protective goggles should be worn. Dry chemical sand used for fire extinguishing and other fire extinguishing equipment should meet the national and international standards.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	In case of spills, beware of slippery floors and surfaces. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. For personal protection, see Section 8. Do not smoke, use open fire or other sources of ignition. Wear protective gloves and (in case of splashes) goggles/face shield too.
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6.2. Environmental precautions

Environmental precautions	Avoid release to the environment. Avoid discharge into drains, water courses or onto the ground. To prevent release, place container with damaged side up. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to local appropriate regulatory body. Empty container contains product residue which may exhibit hazards of product.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Large Spillages: Stop leak if possible without risk. DO NOT touch spilled material! Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. Avoid the spillage or runoff entering drains, sewers or watercourses. Inform authorities if large amounts are involved. Small Spillages: Stop leak if possible without risk. Dam and absorb spillage with sand, sawdust or other absorbent. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations.
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6.4. Reference to other sections

Reference to other sections	For handling and storage, see section 7. For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Provide adequate ventilation. Container must be kept tightly closed when not in use. Protect against direct sunlight. Do not heat up the product near flash point. Avoid spilling, skin and eye contact. Avoid eating, drinking and smoking when using the product. Persons susceptible to allergic reactions should not handle this product.
Advice on general occupational hygiene	Wash after use and before eating, smoking and using the toilet. Take off contaminated clothing and wash it before reuse.

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7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in a demarcated bunded area to prevent release to drains and/or watercourses. Store in accordance with local regulations. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect from freezing and direct sunlight. Store in closed original container at temperatures between 0°C and 50°C. Keep away from food, drink and animal feeding stuffs.

Storage class Not special storage precautions required.

7.3. Specific end use(s)

Usage description For containers or container linings, use mild steel or high density polyethylene (HDPE). For containers or container linings, avoid PVC. Polyethylene containers should not be exposed to high temperatures because of possible risk distortion.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

ETHANEDIOL

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 104 mg/m³(Sk)

WEL = Workplace Exposure Limit

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients. Provide adequate ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.

Other skin and body protection

Wear steel toe-cap shoes. Wear an apron.

Hygiene measures

Provide eyewash station. Do not smoke in work area. Wash hands after contact. Promptly remove non-impervious clothing that becomes contaminated. Contaminated clothing should be placed in a closed container for disposal or decontamination. Remove contaminated clothing and wash the skin thoroughly with soap and water after work. When using do not eat, drink or smoke.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: High-efficiency particulate filter.

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Environmental exposure controls	<p>STEL: 10mg/m³ 15 minutes. Form: Oil mist, mineral</p> <p>TWA: 5mg/m³ 8 hours. Form: Oil mist, mineral</p> <p>Short-Term Exposure Limit (STEL). The National Institute for Occupational Safety and Health (NIOSH,1992).</p> <p>Time-Weighted Average (TWA). Occupational Safety and Health Administration (OSHA, 29 CFR 1910.1000,Table Z-1).</p>
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SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Clear Liquid
Colour	Amber.
Odour	Mild, oily.
Flash point	246°C COC (Cleveland open cup).
Bulk density	0,922 kg/l
Solubility(ies)	Insoluble in water.
Auto-ignition temperature	Product is not selfigniting.
Viscosity	210 mm ² /s @ 40°C 18,8 mm ² /s @ 100°C
Explosive properties	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidising.
Comments	Values are typical. These values may be variable within the product specification.

9.2. Other information

Refractive index	No specific test data are available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No test data specifically related to reactivity available for this product or its ingredients.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures. Mixing with any other material.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No potentially hazardous reactions known.
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10.4. Conditions to avoid

Conditions to avoid	Avoid freezing. Avoid contact with strong oxidising agents. Avoid exposure to high temperatures or direct sunlight. Keep away from moisture.
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10.5. Incompatible materials

Materials to avoid	Strong oxidising agents. Strong acids.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Does not decompose when used and stored as recommended.
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SECTION 11: Toxicological information

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11.1. Information on toxicological effects

Toxicological effects	No data recorded.
Other health effects	No data available to indicate product or any components are carcinogenic,mutagenic,genotoxic,and chronic health hazards.
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	No specific test data are available.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	No specific test data are available.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	No specific test data are available.
<u>Skin sensitisation</u>	
Skin sensitisation	May cause an allergic skin reaction.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	No specific test data are available.
<u>Carcinogenicity</u>	
Carcinogenicity	No specific test data are available.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	No specific test data are available.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	No specific test data are available.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	No specific test data are available.
<u>Aspiration hazard</u>	
Aspiration hazard	No specific test data are available
General information	
	Information given is based on a knowledge of the components and the toxicology of similar products.
Inhalation	Not expexted to cause irritation. Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.
Ingestion	May cause discomfort if swallowed. The main symptoms are gastrointestinal ailments, including upset stomach.
Skin contact	May cause an allergic skin reaction.
Eye contact	Not expexted to cause eye irritation. Vapors formed from heating may cause eye irritation.
Acute and chronic health hazards	The product contain special performance additives and mineral base oils which are considered to be severely refined and not considered to be carcinogenic. All of the base oils in the product have been demonstrated to contain less than 3% (w/w) dimethyl sulfoxide extract by the IP 346 test. USED OILS are more dangerous than new oils. Used oils may contain hazardous components which have the potential to cause skin cancer.
Route of entry	Inhalation,ingestion,skin,eye contact.
Target organs	Skin,eyes,respiratory system,lungs,gastro-intestinal tract.

SECTION 12: Ecological Information

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Ecotoxicity The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability The product is not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The product contains potentially bioaccumulating substances.

12.4. Mobility in soil

Mobility The product is insoluble in water and will spread on the water surface. It may be absorbed by soil and will not be mobile.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment There is no specific test data available.

12.6. Other adverse effects

Other adverse effects Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste to be treated as controlled waste. Only disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Do not allow runoff to sewer, waterway or ground.

Waste class 13 02 06*Synthetic engine, gear and lubricating oils
13 02 08*other engine, gear and lubricating oils

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 3082

UN No. (IMDG) 3082

UN No. (ICAO) 3082

UN No. (ADN) 3082

14.2. UN proper shipping name

Proper shipping name (ADR/RID) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Fenol, dodesil-, dallanmış)

Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Fenol, dodesil-, dallanmış)

Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Fenol, dodesil-, dallanmış)

Proper shipping name (ADN) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Fenol, dodesil-, dallanmış)

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14.3. Transport hazard class(es)

ADR/RID class	9
ADR/RID classification code	M6
ADR/RID label	9
IMDG class	9
ICAO class/division	9
ADN class	9

Transport labels



14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ADN packing group	III
ICAO packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS	F-A, S-F
ADR transport category	3
Emergency Action Code	•3Z
Hazard Identification Number (ADR/RID)	90
Tunnel restriction code	(E)

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 18 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
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15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information	All ingredients are listed in the European Inventories. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This data sheet is a safety data sheet according to 91/155/EU. For products which are not subject to classification according to EU lists this data sheet is made on a voluntary base.
Key literature references and sources for data	December 13, 2014, No. 29204, "the Ministry of Environment and the Ministry of Urban Development Related to Safety Data Sheets on Hazardous Substances and Mixtures Direction"
Revision comments	Revised classification.
Issued by	EBRU SEN R&D Engineer Certificated by NBC for MSDS (Certificate No: 01.42.06) Opet Fuchs Madeni Yağ San. Tic. A.Ş. AOSB Mustafa Kemal Bulvarı No:12 35620 Çiğli/İZMİR E-mail: ebru.sen@opetfuchs.com.tr
Revision date	11/09/2017
Revision	3
Supersedes date	13/12/2010
SDS number	OPET.GBF.2300
Hazard statements in full	H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H360 May damage fertility or the unborn child if swallowed. H373 May cause damage to organs through prolonged or repeated exposure if swallowed. 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. H413 May cause long lasting harmful effects to aquatic life. EUH208 Contains Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivatives, calcium salts. May produce an allergic reaction.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information contained in this data sheet. OPET FUCHS MADENI YAG SAN. VE TIC. A.Ş. shall not be responsible for any injury or damage resulting from the abnormal use of the product, recipient assumes all such risks.