

SAFETY DATA SHEET MAXIMARINE CYL 40

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 MAXIMARINE CYL 40

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

Identified uses Marine Engine Oil.

Use only for intended applications.

1.3. Details of the supplier of the safety data sheet

Supplier PETROL OFİSİ A.Ş.

Ünalan Mahallesi, Libadiye Caddesi No: 82F Kat: 2-3-4, 34700 Üsküdar/ Istanbul

Tel: +90 850 339 1919 Fax: +90 216 275 3854 madeniyag@petrolofisi.com.tr

Contact person Customer Services: madeniyag@petrolofisi.com.tr

1.4. Emergency telephone number

Emergency telephone Madeni Yağ Customer Services: 0850 339 1919 (working hours)

National emergency telephone National Poison Consultance Center: 114 Emergency Medical Services: 112

number

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 Not Classified

2.2. Label elements

Hazard statements NC Not Classified

Precautionary statements P401 Store in accordance with national regulations.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P308+P313 IF exposed or concerned: Get medical advice/ attention.

P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Distillates (petroleum), hydrotreated heavy paraffinic

40-60%

CAS number: 64742-54-7 EC number: 265-157-1 REACH registration number: 01-

2119484627-25-0033

Classification

Not Classified

Highly refined mineral oil

25-40%

Classification
Not Classified

Yüksek düzeyde rafine edilmiş madeni yağ (C15- C50)

5-10%

CAS number: —

Classification

Not Classified

Phenol, dodecyl-, sulfurized, carbonates, calcium salts,

5-10%

overbased

CAS number: 68784-26-9

Classification

Aquatic Chronic 3 - H412

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

Composition comments

The DMSO contents of some substances are classified by the manufacturer as <3%

according to IP 346. Highly refined mineral oil (C15-50):

Includes one or more of following EINECS numbers:265-090-8, 265-091-3, 265-096-0, 265-097-6,265-098-1, 265-101-6, 265-155-0, 265-156-6, 265-157-1, 265-158-7, 265-159-2, 265-160-8, 265-166-0, 265-169-7,265-176-5, 276-736-3, 276-737-9, 276-738-4, 278-012-2.

Includes one or more of following REACH record numbers:1-2119488706-23, 01-

2119487067-30,01-2119487081-40, 01-2119483621-38, 01-2119480374-36, 01-2119488707-21, 01-2119467170-45, 01-2119480375-34, 01-2119484627-25, 01-2119480132-48, 01-

 $2119487077-29,\ 01-2119489287-22,\ 01-2119480472-38,\ 01-2119471299-27,\ 01-2119485040-48,\ 01-2119555262-43,\ 01-2119495601-36,\ 01-2119474889-13,\ 01-21194889-13,\ 01-21194889-13,\ 01-21194889-13,\ 01-21194889-13,\ 01-21194889-13,\ 01-21194889-13,\ 01-21194889-13,\ 01-2119489$

2119474878-16.

Ingredient notes See Section 8 for occupational exposure limits.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Treat symptomatically.

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for

breathing. Maintain an open airway. Get medical attention if symptoms are severe or persist.

Ingestion Do not induce vomiting due to the risk of obstructing the respiratory tracts. Give nothing by

mouth in case of consciousness loss and obtain medical attention immediately.

Skin contact As a precaution remove clothing and wash skin with water and soap if contaminated. Wash or

clean contaminated clothing and shoes before reuse.

Eye contact Remove your lenses if they are present and can be removed. Wash your eyes with plenty of

water, with opening and closing your eyelids. Get immediate medical attention.

Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue.

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

General information Treat symptomatically.

Inhalation Not expected to be harmful if inhaled.Contains petroleum based mineral oil.Oil vapor may

cause respiratory irritation or other pulmonary effects if inhaled prolonged or repeated by air at levels above the recommended mineral oil vapor exposure limit. Symptoms of respiratory

irritation may include coughing and difficulty breathing.

Ingestion No specific symptoms known.

Skin contact No specific symptoms known.

Eye contact No specific symptoms known.

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

Notes for the doctor Treat symptomatically.

Specific treatments Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing

media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Not known.

Hazardous combustion

products

A complex mixture of airborne solids, liquids and gases can be released. Carbon dioxide (CO2). Carbon monoxide (CO). Unidentified organic or inorganic compounds. Sulphur.

Calcium.

5.3. Advice for firefighters

Protective actions during

firefighting

This product is flammable even if it is not easily ignited. Refer to Section 7 for proper handling and storage. In case of insufficient ventilation, wear the required breathing apparatus. Dispose of fire debris and contaminated fire-fighting water in accordance with applicable legal

legislation. No action shall be taken without appropriate training or involving any personal risk.

Special protective equipment

for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure procedures and training for emergency decontamination and disposal are in place. No

action shall be taken without appropriate training or involving any personal risk. No smoking, sparks, flames or other sources of ignition near spillage. Wear protective clothing as

described in Section 8 of this safety data sheet.

For non-emergency personnel Necessary precautions should be taken to ensure that non-educated personnel do not intervene.

For emergency responders

Wear protective clothing as shown in section 8 of this safety data sheet. Notification: In case of spillage, notify the local authorities as appropriate or as necessary. Stop the leakage source if it can be done without risk. Limit spillage to prevent further contamination of soil, surface or ground water. Remove any spilled material as soon as possible by following the precautions in the section Exposure Controls / Personal Protection. Use suitable techniques such as non-flammable absorbent materials or pumping. When possible or appropriate, remove the contaminated soil from the area. Place contaminated products in disposable boxes and dispose of in accordance with regulations. If a heated material is spilled, allow it to cool before handling with disposal methods. Proper ventilation should be provided.

6.2. Environmental precautions

Environmental precautions

Apply protective methods to prevent spilled material from entering into water sources, water channels, sewers and soil.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Large spill: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water sources, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may be pose the same hazard as the spilled product. Small spill: Stop leak if without risk. Move containers from spill area. Absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8. For waste disposal, see Section 13. See Section 1 for emergency contact information. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. See Section 7 for more information on safe handling.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Prevent soil contamination or spillage into sewage systems and water. Wear protective equipment as directed in Section 8 of this safety data sheet for proper personal protection. Good ventilation should be provided in the working environment and inhalation of vapor generated during use should be avoided.

Skin contact should be avoided and hygienic rules should be followed.

Eye contact should be avoided. Wear goggles or a face mask to prevent eye contact. Avoid eating, drinking and smoking while using. Use disposable clothing. Static hazard: Electrostatic charge may accumulate when working on it. Tying or grounding may be required to minimize this risk. Review all processes that have the potential to create and collect electrostatic charge and / or flammable atmospheres, and follow the relevant mitigation

Advice on general occupational hygiene Do not eat, drink or smoke when using this product. Eye wash facilities and emergency shower must be available when handling this product. Good personal hygiene procedures should be implemented.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions The container is not designed to contain pressure. Do not apply pressure to discharge the

container otherwise it may rupture with explosive force. Empty containers may contain product residue and it can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of ignition.

Containers should be drained completely and disposed of properly.

Storage class Chemical storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

Usage description The product must be used as specified in the data sheet.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

Distillates (petroleum), hydrotreated heavy paraffinic

Oil mist: TWA: 5 mg/m3 (ACGIH). In no case should this limit be exceeded or the local limit, if it is more restrictive.

Yüksek düzeyde rafine edilmiş madeni yağ (C15- C50)

Mineral Oil; TWA: 5 mg/m3, ACGIH (United States)

Mineral oil: ACGIH, STEL:10 mg/m3

Ingredient comments

No other information known.

Biological limit values

No other information known.

No other information known.

No other information known.

PNEC

No other information known.

Highly refined mineral oil (CAS: 64742-01-4)

Ingredient comments Oil Mist TWA: 5 mg /m3 (ACGIH).

8.2. Exposure controls

Protective equipment















Appropriate engineering controls

When determining engineering controls and when choosing personal protection equipment, consider the possible risks of this substance (see Section 2), appropriate exposure limits, business activities and other substances in the workplace. If engineering controls and work practices are not sufficient to prevent exposure to harmful levels of this substance, the use of personal protective equipment as described in this section is recommended. Ensure good ventilation. Eye / face washing units and safety showers should be installed close to the work area for use in case of emergency, injury and exposure.

Personal protection Personal protective equipment (PPE) should meet recommended national standards. Check

with PPE suppliers.

Eye/face protection Chemical splash goggles or face shield.

Hand protection Wear protective gloves.

Other skin and body

protection

Avoid contact with skin.

Hygiene measuresGood personal hygiene procedures should be implemented.

Respiratory protectionUse appropriate respiratory protection if there is the potential to exceed the exposure limits.

Thermal hazards If there is a risk of contact with hot product, all protective equipment worn should be suitable

for use with high temperatures.

Environmental exposure

controls

Emissions from ventilation or work process equipment should be checked to ensure they

comply with the requirements of environmental protection legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Viscous liquid.

Colour Brown.

Odour Characteristic.

Odour threshold No specific test data are available.

pH Scientifically unjustified.

Melting point No specific test data are available.

Initial boiling point and range No specific test data are available.

Flash point > 220°C Cleveland open cup.

Evaporation rate No specific test data are available.

Evaporation factor No specific test data are available.

Flammability (solid, gas)No specific test data are available.

Upper/lower flammability or

explosive limits

No specific test data are available.

Other flammability No specific test data are available.

Vapour pressure No specific test data are available.

Vapour density No specific test data are available.

Relative density No specific test data are available.

Bulk density ~ 0,92 g/ml

Solubility(ies) Insoluble in water.

Partition coefficient No specific test data are available.

Auto-ignition temperature No specific test data are available.

Decomposition Temperature No specific test data are available.

Viscosity min. 18,5 cSt @ 100°C

Explosive properties No specific test data are available.

Explosive under the influence

of a flame

Not considered to be explosive.

Oxidising properties Not known.

Comments No other information known.

9.2. Other information

Other information No information required.

Refractive index No specific test data are available.

Particle size No specific test data are available.

Molecular weight No specific test data are available.

Volatility No specific test data are available.

Saturation concentration No specific test data are available.

Critical temperature No specific test data are available.

Volatile organic compound No specific test data are available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity It can react with strong oxidizing chemicals such as strong acids or chlorate, nitrate, peroxide,

etc.

10.2. Chemical stability

Stability This material is considered stable under normal environmental conditions and in the

conditions of storage and handling foreseen.

10.3. Possibility of hazardous reactions

Possibility of hazardous

reactions

Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid

Conditions to avoid Not available.

10.5. Incompatible materials

Materials to avoid Not available.

10.6. Hazardous decomposition products

Hazardous decomposition

Not known.

products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Information given is based on data of the components and of similar products.

Acute toxicity - oral

Summary Information given is based on data of the components and of similar products.

Notes (oral LD₅₀) Information given is based on data of the components and of similar products.

Acute toxicity - dermal

Summary Information given is based on data of the components and of similar products.

Notes (dermal LD₅₀) Information given is based on data of the components and of similar products.

Acute toxicity - inhalation

Summary Information given is based on data of the components and of similar products.

Notes (inhalation LC50) Information given is based on data of the components and of similar products.

Skin corrosion/irritation

Summary Information given is based on data of the components and of similar products.

Skin corrosion/irritation Information given is based on data of the components and of similar products.

Animal data Information given is based on data of the components and of similar products.

Human skin model test Information given is based on data of the components and of similar products.

Extreme pH Information given is based on data of the components and of similar products.

Serious eye damage/irritation

Summary Information given is based on data of the components and of similar products.

Serious eye damage/irritation Information given is based on data of the components and of similar products.

Respiratory sensitisation

Summary Information given is based on data of the components and of similar products.

Respiratory sensitisation Information given is based on data of the components and of similar products.

Skin sensitisation

Summary Information given is based on data of the components and of similar products.

Skin sensitisation Information given is based on data of the components and of similar products.

Germ cell mutagenicity

Summary Information given is based on data of the components and of similar products.

Genotoxicity - in vitro Information given is based on data of the components and of similar products.

Genotoxicity - in vivo Information given is based on data of the components and of similar products.

Carcinogenicity

Summary Information given is based on data of the components and of similar products.

Carcinogenicity Information given is based on data of the components and of similar products.

Target organ for Information given is based on data of the components and of similar products.

carcinogenicity

Information given is based on data of the components and of similar products.

NTP carcinogenicity Information given is based on data of the components and of similar products.

Reproductive toxicity

Summary Information given is based on data of the components and of similar products.

Reproductive toxicity - fertility Information given is based on data of the components and of similar products.

Reproductive toxicity - Information given is based on data of the components and of similar products.

development

Specific target organ toxicity - single exposure

Summary Information given is based on data of the components and of similar products.

STOT - single exposure Information given is based on data of the components and of similar products.

Target organs Information given is based on data of the components and of similar products.

Specific target organ toxicity - repeated exposure

Summary Information given is based on data of the components and of similar products.

STOT - repeated exposure Information given is based on data of the components and of similar products.

Target organs Information given is based on data of the components and of similar products.

Aspiration hazard

Summary Information given is based on data of the components and of similar products.

Aspiration hazard Information given is based on data of the components and of similar products.

Toxicokinetics Information given is based on data of the components and of similar products.

General information Information given is based on data of the components and of similar products.

Inhalation Information given is based on data of the components and of similar products.

Information Information given is based on data of the components and of similar products.

Skin contact Information given is based on data of the components and of similar products.

Eye contact Information given is based on data of the components and of similar products.

Acute and chronic health

hazards

Information given is based on data of the components and of similar products.

Route of exposure Information given is based on data of the components and of similar products.

Target organs Information given is based on data of the components and of similar products.

Medical symptoms Information given is based on data of the components and of similar products.

Medical considerations Information given is based on data of the components and of similar products.

Toxicological information on ingredients.

Distillates (petroleum), hydrotreated heavy paraffinic

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ >2000 mg/kg, Oral,

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >2000 mg/kg, Dermal,

Carcinogenicity

Summary The base oils in the product content contain less than 3% DMSO according to IP

346.

Highly refined mineral oil

Acute toxicity - oral

Notes (oral LD₅o) LD₅o >2000 mg/kg, Oral,

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >2000 mg/kg, Dermal,

SECTION 12: Ecological information

Ecotoxicity This substance is not expected to be harmful to aquatic organisms. The product has not been

tested. The expression is derived from the properties of each component.

Ecological information on ingredients.

Distillates (petroleum), hydrotreated heavy paraffinic

Ecotoxicity May be harmful to aquatic organisms. Spills form film layer on water surface and

prevent oxygen transfer

12.1. Toxicity

Toxicity This substance is not expected to be harmful to aquatic organisms. The product has not been

tested. The expression is derived from the properties of each component.

Acute aquatic toxicity

Summary Information given is based on data of the components and of similar products.

Acute toxicity - fish Information given is based on data of the components and of similar products.

Acute toxicity - aquatic

Information given is based on data of the components and of similar products.

Acute toxicity - aquatic plants

Information given is based on data of the components and of similar products.

Acute toxicity -

invertebrates

Information given is based on data of the components and of similar products.

microorganisms

Information given is based on data of the components and of similar products.

Chronic aquatic toxicity

Acute toxicity - terrestrial

Summary Information given is based on data of the components and of similar products.

Chronic toxicity - fish early life

Information given is based on data of the components and of similar products.

stage

Short term toxicity - embryo

and sac fry stages

Information given is based on data of the components and of similar products.

Chronic toxicity - aquatic

invertebrates

Information given is based on data of the components and of similar products.

Toxicity to soil Information given is based on data of the components and of similar products.

Toxicity to terrestrial plants Information given is based on data of the components and of similar products.

12.2. Persistence and degradability

Persistence and degradability Information given is based on data of the components and of similar products.

Phototransformation Information given is based on data of the components and of similar products.

Stability (hydrolysis) Information given is based on data of the components and of similar products.

Biodegradation Information given is based on data of the components and of similar products.

Biological oxygen demand Information given is based on data of the components and of similar products.

Chemical oxygen demand Information given is based on data of the components and of similar products.

Ecological information on ingredients.

Distillates (petroleum), hydrotreated heavy paraffinic

Biodegradation Not expected to be readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential Information given is based on data of the components and of similar products.

Partition coefficient No specific test data are available.

Ecological information on ingredients.

Distillates (petroleum), hydrotreated heavy paraffinic

Bioaccumulative potential Potentially bioaccumulating.

12.4. Mobility in soil

Mobility Information given is based on data of the components and of similar products.

Adsorption/desorption

Information given is based on data of the components and of similar products.

coefficient

Henry's law constant Information given is based on data of the components and of similar products.

Surface tension Information given is based on data of the components and of similar products.

Ecological information on ingredients.

Distillates (petroleum), hydrotreated heavy paraffinic

Mobility Liquid under most environmental conditions. Floats on water. If spread into ground

the groundwater may be polluted.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible.

Disposal methods Waste, residues, empty containers, discarded work clothes and contaminated cleaning

materials should be collected in designated containers, labelled with their contents. Collect and place in suitable waste disposal containers and seal securely. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal

Authority.

Waste class

The waste code classification is to be carried out according to the European Waste Catalogue

(EWC).

SECTION 14: Transport information

General Not regulated.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

Not applicable.

14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

SECTION 15: Regulatory information

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

National regulations T. C. Regulation on the Classification, Labeling and Packaging of Substances and Mixtures

> No. 28848, dated 11 December 2013, by the Ministry of Environment and Urbanization. T. C. Ministry of Environment and Urbanization Regulation on Safety Data Sheets on

Hazardous Substances and Mixtures

EU legislation Commission Regulation (EU) No 453/2010 of 20 May 2010.

Guidance Safety Data Sheets for Substances and Preparations.

Source: European Chemicals Agency, http://echa.europa.eu/

15.2. Chemical safety assessment

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet E.U.: European union DMSO: Dimethyl sulfoxide

KKE: Personal protective aquipment STEL: Short term exposure limit T.C.: Republic of Turkey

TWA: Workplace exposure limits

UZEM: National Poison Information Center

ADR: European Agreement concerning the International Carriage of Dangerous Goods by

Road.

CAS: Chemical Abstracts Service. DNEL: Derived No Effect Level.

IATA: International Air Transport Association.

ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

PBT: Persistent, Bioaccumulative and Toxic substance.

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation

(EC) No 1907/2006.

PNEC: Predicted No Effect Concentration. vPvB: Very Persistent and Very Bioaccumulative. IARC: International Agency for Research on Cancer.

MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as

modified by the Protocol of 1978.

Classification abbreviations

and acronyms

Aquatic Chronic = Hazardous to the aquatic environment (chronic)

Supersedes date: 20/01/2020

MAXIMARINE CYL 40

General information

Only trained personnel should use this material. MSDS Distribution: The information in this document should be made available to all who may handle the product. Uses and Restrictions: This product must not be used in applications other than those recommended in Section 1, without first seeking the advice of the supplier. This product is not to be used as a solvent or cleaning agent; for lighting or brightening fires; as a skin cleanser. Disclaimer: 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.

Key literature references and sources for data

This SDS is prepared based on the information received from raw material suppliers.

Classification procedures according to Regulation (EC) 1272/2008

Not classified for environmental hazards., Not classified for physical hazards., Not classified

for health hazards.: Supplier information, Calculation method.

Training advice Untrained personnel should not use.

Revision comments This is the first issue.

Issued by Sevda ŞAHAN Certified Safety Data Sheet Preparer (Certificate Id:GBF01.23.08;Dates:

03.11.2018-03.11.2021)

Revision 0

Supersedes date 20/01/2020

SDS number 20605

Hazard statements in full H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.