

## MAXIMARINE CYL 40

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

#### 1.1 - Product identifier

Trade name/designation MAXIMARINE CYL 40

Chemical name

Product-type Mixture

Product code -

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

Relevant identified uses

- Ship engine oil.

Uses advised against

- The uses are provided in Section 1.2. Other uses are not recommended unless a risk assessment is carried out, prior to commencement of that use, which demonstrates that the is safe.

#### 1.3 - Details of the supplier of the safety data sheet

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#### 1.4 - Emergency telephone number

- National Poisons Information Service of England: <http://npis.org> -  
NHS 111: dial 111 United Kingdom

- Company phone number (see section 1.3).

### SECTION 2: Hazards identification

#### 2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

|                |                |
|----------------|----------------|
| Not Classified | Not classified |
|----------------|----------------|

#### 2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

|                          |   |      |
|--------------------------|---|------|
| Signal word              | : | None |
| Pictograms               | : | None |
| Hazard statements        | : | None |
| Precautionary statements | : | None |
| EUH-phrases              | : | None |

#### 2.3 - Other hazards

PBT-substance. - The substances in this mixture do not meet the PTB/vPvB criteria of REACH annex XIII.

vPvB-substance. - The substances in this mixture do not meet the PTB/vPvB criteria of REACH annex XIII.

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### SECTION 3: Composition / information on ingredients

#### 3.1 - Substances

Not applicable

#### 3.2 - Mixtures

| Chemical name  | No.   | %       | Class(es)                | Specific concentration limit |
|--|---|---------|--------------------------|------------------------------|
| Distillates (petroleum), hydrotreated, heavy paraffinic [Note L]   | CAS No. : 64742-54-7<br>Index No. : 649-467-00-8<br>EC No. : 265-157-1<br>REACH No. : 01-2119484627-25-0033 | 40 - 60 | Not Classified           | Not applicable               |
| Residual oils (petroleum,) solvent-refined [Note L]                | CAS No. : 64742-01-4<br>Index No. : 649-459-00-4<br>EC No. : 265-101-6                                      | 25 - 40 | Not Classified           | Not applicable               |
| Highly refined mineral oil (C15-C50)                               | CAS No. :<br>Index No. :<br>EC No. :  | 5 - 10  | Not Classified           | Not applicable               |
| Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased | CAS No. : 68784-26-9<br>Index No. :<br>EC No. : 272-234-3   | 1 - 5   | Aquatic Chronic 3 - H412 | Not applicable               |

- Note L: DMSO content <3% according to IP 346.

- Contains one or more of the 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.

- Contains one or more of the following REACH registration numbers:

01-2119488706-23, 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, 01-2119474878-16.

### SECTION 4: First aid measures

#### 4.1 - Description of first aid measures

##### Following inhalation

- No special measures are necessary.
- Provide fresh air.
- When in doubt or if symptoms are observed, get medical advice.

##### Following skin contact

- After contact with skin, wash immediately with plenty of water and soap.
- Remove contaminated clothing and shoes.
- When in doubt or if symptoms are observed, get medical advice.

##### After eye contact

- Remove affected person from the danger area and lay down.
- Rinse immediately carefully and thoroughly with eye-bath or water.
- In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
- Protect uninjured eye.

##### After ingestion

- Rinse mouth thoroughly with water.
- Do not leave affected person unattended.
- Do NOT induce vomiting.
- Seek medical advice immediately.
- Never give anything by mouth to an unconscious person or a person with cramps.

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- When in doubt or if symptoms are observed, get medical advice.

### 4.2 - Most important symptoms and effects, both acute and delayed

Symptoms and effects - Following inhalation - No known symptoms to date.

Symptoms and effects - Following skin contact - No known symptoms to date.

- In rare cases the product can cause temporary erythema of the skin.
- Itching.

Symptoms and effects - After eye contact - Itching.  
- Redness.

Symptoms and effects - After ingestion - Nausea

### 4.3 - Indication of any immediate medical attention and special treatment needed

- No information available.
- Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 - Extinguishing media

Suitable extinguishing media - Carbon dioxide (CO2)  
- Foam  
- Dry sand  
- Dry extinguishing powder

Unsuitable extinguishing media - Strong water jet

### 5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture - In case of fire hazardous decomposition products may be formed, such as: Carbon monoxide, Carbon dioxide (CO2).  
- In case of combustion, emission of toxic fumes.  
- Thermal decomposition results in the formation of smoke, carbon oxides and low molecular weight organic compounds of unknown composition.

Hazardous decomposition products - Formation of CO and CO2 in the event of combustion (carbon monoxide - carbon dioxide).

### 5.3 - Advice for firefighters

- Wear a self-contained breathing apparatus and chemical protective clothing.
- Move undamaged containers from immediate hazard area if it can be done safely.
- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
- Co-ordinate fire-fighting measures to the fire surroundings.

## SECTION 6: Accidental release measures

### 6.1 - Personal precautions, protective equipment and emergency procedures

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|                                    |   |
|------------------------------------|---|
| <u>For non-emergency personnel</u> | <ul style="list-style-type: none"> <li>- Use personal protection equipment.</li> <li>- Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.</li> <li>- Provide adequate ventilation.</li> <li>- Caution: Spreads are slippery</li> </ul>   |
| <u>For emergency responders</u>    | <ul style="list-style-type: none"> <li>- Provide adequate ventilation.</li> <li>- Use personal protection equipment.</li> <li>- Mittens.</li> <li>- Spectacles.</li> <li>- NOTICE: Report spillage to local authorities as appropriate or necessary.</li> <li>- If it can be done without risk, stop the source of leakage.</li> <li>- Limit spillage to prevent further contamination of soil, surface or groundwater.</li> <li>- Use appropriate techniques such as non-flammable absorbent materials or pumping.</li> <li>- Where possible or appropriate, scrape off the soil contaminated by the product from the area.</li> <li>- Place product contaminated materials in disposable containers and dispose of in accordance with regulations.</li> <li>- In case of spillage of a heated substance, allow it to cool down before proceeding with disposal methods.</li> <li>- Provide adequate ventilation.</li> </ul> |

### 6.2 - Environmental precautions

- Ensure waste is collected and contained.
- Do not allow to enter into surface water or drains.

### 6.3 - Methods and material for containment and cleaning up

|   |  |
|---|--|
| <u>Methods and material for containment</u> | <ul style="list-style-type: none"> <li>- Soak up inert absorbent and dispose as waste requiring special attention.</li> <li>- Collect in closed and suitable containers for disposal.</li> </ul>   |
| <u>Methods and material for cleaning up</u> | <ul style="list-style-type: none"> <li>- Absorb with liquid-binding material ( e.g. sand, diatomaceous earth, acid- or universal binding agents).</li> <li>- Ventilate affected area.</li> <li>- Clear contaminated areas thoroughly.</li> <li>- Clean contaminated articles and floor according to the environmental legislation.</li> <li>- Refer to manufacturer or supplier for information on recovery or recycling.</li> <li>- Do not allow to enter into surface water or drains.</li> <li>- If the product contaminates water tables, rivers or sewers, alert the competent authorities according to regulatory procedures.</li> </ul> |
| <u>Inappropriate techniques</u>             | <ul style="list-style-type: none"> <li>- Never return spills to original containers for reuse.</li> </ul>  |

### 6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8
- Safe handling: see section 7
- See Section 1 for emergency contact information.

## SECTION 7: Handling and storage

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### 7.1 - Precautions for safe handling

#### Recommendation

- It is recommended to design all work processes always so that the following is excluded:Eye contact
- Ensure sufficient ventilation.
- Avoid breathing vapours, mist, spray, fumes.
- Keep away from sources of ignition - No smoking.

#### Advices on general occupational hygiene

- Avoid contact with skin, eyes and clothes.
- Wash contaminated clothing prior to re-use.
- Immediately remove any contaminated clothing, shoes or stockings.
- Wash hands before breaks and after work.
- Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be exposed to any process in which this product is used.
- If exposure limits have not been observed maintain airborne levels at an acceptable level. Provide eye wash station and safety shower.

### 7.2 - Conditions for safe storage, including any incompatibilities

- Keep/store only in original container.
- Keep container tightly closed in a cool, well-ventilated place.
- Protect against:Heat
- Keep away from:Food and feedingstuffs
- Protect from direct sunlight.

### 7.3 - Specific end use(s)

- See section 1.2 of the SDS.

## SECTION 8: Exposure controls/personal protection

### 8.1 - Control parameters

#### **Distillates (petroleum), hydrotreated, heavy paraffinic [Note L] (64742-54-7)**

|                                  |                     |
|----------------------------------|---------------------|
| IOELV TWA mg/m <sup>3</sup> (UE) | 5 mg/m <sup>3</sup> |
|----------------------------------|---------------------|

#### **Residual oils (petroleum,) solvent-refined [Note L] (64742-01-4)**

|                                  |                     |
|----------------------------------|---------------------|
| IOELV TWA mg/m <sup>3</sup> (UE) | 5 mg/m <sup>3</sup> |
|----------------------------------|---------------------|

- No exposure limit value is known.
- There is no chemical substance to be specified under this section.

### DNEL / PNEC

#### **Residual oils (petroleum,) solvent-refined [Note L] (64742-01-4)**

| Type                           | Value                  | User      | Effect   |
|--------------------------------|------------------------|-----------|----------|
| DNEL long-term oral (repeated) | 0,74 mg/kg bw/day      | Consumers | Systemic |
| DNEL long-term inhalative      | 2,73 mg/m <sup>3</sup> | Workers   | Systemic |
| DNEL long-term inhalative      | 5,58 mg/m <sup>3</sup> | Workers   | Local    |
| DNEL long-term dermal          | 0,97 mg/kg bw/day      | Workers   | Systemic |
| PNEC Secondary Poisoning       | 9,33 mg/kg             |           |          |

### 8.2 - Exposure controls

#### Appropriate engineering controls

- Do not eat, drink or smoke during use.

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- Ensure adequate ventilation.
- If exposure limits have not been observed maintain airborne levels at an acceptable level. Provide eye wash station and safety shower.

Individual protection measures, such as personal protective equipment

- Lab coat.
- Eye protection



- Tight-fitting goggles.
- In case of risk of splashes: Goggles with side-shields.
- EN 166
- Protective gloves



- Chemical resistant gloves conforming to EN 374.
- Wear suitable chemical resistant gloves.
- Nitrile rubber
- PVA (Polyvinyl alcohol).
- Protective apron.
- Suitable protective clothing: Protective apron



- If there is a danger of contact with hot product, suitable protective equipment must be used, which protects against high temperatures.

Environmental exposure controls

- It is important to test emissions from ventilation systems or process equipment to ensure that they comply with the requirements of environmental protection legislation.

## SECTION 9: Physical and chemical properties

### 9.1 - Information on basic physical and chemical properties

| <u>Physical state</u> | Liquid    | <u>Appearance</u>         | Viscous        |
|-----------------------|-----------|---------------------------|----------------|
| <u>Colour</u>         | Brownish. | <u>Odour</u>              | characteristic |
| Odour threshold       |           | No information available. |                |
| pH                    |           | No information available. |                |
| Melting point         |           | No information available. |                |
| Freezing point        |           | No information available. |                |
| Boiling point         |           | No information available. |                |
| Flash point           |           | > 220 °C<br>Open vase     |                |
| Evaporation rate      |           | No information available. |                |
| flammability          |           | Not relevant.             |                |

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|                               |  |
|-------------------------------|--|
| Lower explosion limit         | No information available.                    |
| Upper explosion limit         | No information available.                    |
| Vapour pressure               | No information available.                    |
| Vapour density                | No information available.                    |
| Relative density              | No information available.                    |
| Density                       | 0,92 g/ml<br>approx.<br>Volumetric.          |
| Solubility (Water)            | Insoluble                                    |
| Solubility (Ethanol)          | No information available.                    |
| Solubility (Acetone)          | No information available.                    |
| Solubility (Organic solvents) | No information available.                    |
| Log KOC                       | No information available.                    |
| Auto-ignition temperature     | No information available.                    |
| Decomposition temperature     | No information available.                    |
| Kinematic viscosity           | > 18,5 mm <sup>2</sup> /s<br>(cSt)<br>@100°C |
| Dynamic viscosity             | No information available.                    |

### Particle characteristics

|                       |                   |
|-----------------------|-------------------|
| Particle size         | No data available |
| Dustiness             | No data available |
| Specific surface area | No data available |
| Shape                 | No data available |

### 9.2 - Other information

|                          |                   |
|--------------------------|-------------------|
| VOC content              | Undetermined      |
| Minimum ignition energy  | No data available |
| Conductivity             | No data available |
| Refractive index         | No data available |
| Solids content           | No data available |
| Surface tension          | No data available |
| Saturation concentration | No data available |

- No data available.

## SECTION 10: Stability and reactivity

### 10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

### 10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

### 10.4 - Conditions to avoid

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- Stable under recommended storage and handling conditions.
- Keep away from: strong acids and strong oxidants.
- The product can decompose at high temperature.

### 10.5 - Incompatible materials

- Strong oxidising agents.
- Strong acids.
- Chlorates
- Nitrates

### 10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.
- In combustion emits toxic fumes.
- Carbon dioxide (CO<sub>2</sub>)
- Carbon monoxide
- Oil vapours in case of overheating.

## SECTION 11: Toxicological information

### 11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Not classified

Toxicity : Mixture

|                                       |                   |
|---------------------------------------|-------------------|
| LD50 oral (rat)                       | No data available |
| LD50 dermal (rat)                     | No data available |
| LD50 dermal (rabbit)                  | No data available |
| LC50 inhalation gas (rat)             | No data available |
| LC50 inhalation dusts and mists (rat) | No data available |
| LC50 inhalation vapours (rat)         | No data available |

- The product has not been tested.
- Based on available data, the classification criteria are not met.

Toxicity : Substances

| Residual oils (petroleum,) solvent-refined [Note L] (64742-01-4) |  |
|--|--|
| LD50 oral (rat)  | > 5000 mg/kg<br>(OECD Guideline 401, Acute Oral Toxicity)      |
| LD50 dermal (rabbit)   | > 5000 mg/kg<br>(OECD Guideline 402, Acute Dermal Toxicity)    |
| LC50 inhalation dusts and mists (rat)                            | > 5,53 mg/l<br>(OECD Guideline 403, Acute inhalation toxicity) |

Skin corrosion/irritation - Not classified

- Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation - Not classified

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|  |   |
|--|---|
|  | - Based on available data, the classification criteria are not met. |
| <u>Respiratory or skin sensitisation</u> | - Not classified  |
|  | - Based on available data, the classification criteria are not met. |
| <u>Germ cell mutagenicity</u>            | - Not classified  |
|  | - Based on available data, the classification criteria are not met. |
| <u>Carcinogenicity</u>                   | - Not classified  |
|  | - Based on available data, the classification criteria are not met. |
| <u>Reproductive toxicity</u>             | - Not classified  |
|  | - Based on available data, the classification criteria are not met. |
| <u>STOT-single exposure</u>              | - Not classified  |
|  | - Based on available data, the classification criteria are not met. |
| <u>STOT-repeated exposure</u>            | - Not classified  |
|  | - Based on available data, the classification criteria are not met. |
| <u>Aspiration hazard</u>                 | - Not classified  |
|  | - Based on available data, the classification criteria are not met. |

### 11.2 - Information on other hazards

- This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

## SECTION 12: Ecological information

### 12.1 - Toxicity

#### Toxicity : Mixture

|                                   |                   |
|-----------------------------------|-------------------|
| EC50 48 hr crustacea              | No data available |
| LC50 96 hr fish                   | No data available |
| ErC50 algae                       | No data available |
| ErC50 other aquatic plants        | No data available |
| NOEC chronic fish                 | No data available |
| NOEC chronic crustacea            | No data available |
| NOEC chronic algae                | No data available |
| NOEC chronic other aquatic plants | No data available |

- The product has not been tested.
- Based on available data, the classification criteria are not met.

#### Toxicity : Substances

| Residual oils (petroleum,) solvent-refined [Note L] (64742-01-4) |            |
|--|------------|
| EC50 48 hr crustacea   | > 100 mg/l |
| LC50 96 hr fish  | > 100 mg/l |
| ErC50 algae  | > 100 mg/l |

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### 12.2 - Persistence and degradability

#### Mixture

|                                 |                   |
|---------------------------------|-------------------|
| Biochemical oxygen demand (BOD) | No data available |
| Chemical oxygen demand (COD)    | No data available |
| % of biodegradation in 28 days  | No data available |

- No information available.

#### Substances

|   |   |
|---|---|
| Distillates (petroleum), hydrotreated, heavy paraffinic [Note L] (64742-54-7) |   |
| % of biodegradation in 28 days  | 31 %<br>Not readily biodegradable<br>(according to OECD criteria).<br>OECD 301F |
| Residual oils (petroleum,) solvent-refined [Note L] (64742-01-4)              |   |
| % of biodegradation in 28 days  | 2 % < V < 4 %<br>Not readily biodegradable<br>(according to OECD criteria).     |

### 12.3 - Bioaccumulative potential

|                               |                           |
|-------------------------------|---------------------------|
| Bioconcentration factor (BCF) | No data available         |
| Log KOC                       | No information available. |

- No indication of bioaccumulation potential.

### 12.4 - Mobility in soil

- The product is immiscible with water and will spread on the surface of water.

### 12.5 - Results of PBT and vPvB assessment

- The substances in this mixture do not meet the PTB/vPvB criteria of REACH annex XIII.

- The substances in this mixture do not meet the PTB/vPvB criteria of REACH annex XIII.

### 12.6 - Endocrine disrupting properties

- This product does not have endocrine disrupting properties.

### 12.7 - Other adverse effects

- No data available.

- No information available.

## SECTION 13: Disposal considerations

### 13.1 - Waste treatment methods

Waste treatment methods - Dispose of waste according to applicable legislation.  
- Handle contaminated packages in the same way as the substance itself.

Sewage disposal - Do not empty into drains.

Special precautions for waste treatment - Consult the appropriate local waste disposal expert about waste disposal.  
- The waste is to be kept separate from other types of waste until its recycling.

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- For recycling, contact recycling exchanges.
- Non-contaminated packages must be recycled or disposed of.

### Community or national or regional provisions

- Dispose of waste according to applicable legislation.

## SECTION 14: Transport information

### 14.1 - UN number or ID number

Not applicable

### 14.2 - UN proper shipping name

Not applicable

### 14.3 - Transport hazard class(es)

Not applicable

### 14.4 - Packing group

Not applicable

### 14.5 - Environmental hazards

Not applicable

### 14.6 - Special precautions for user

Not applicable

### 14.7 - Maritime transport in bulk according to IMO instruments

Not applicable

- Not applicable.

## SECTION 15: Regulatory information

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

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content No data available

### 15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - A chemical safety assessment has been conducted for this mixture.

## SECTION 16: Other information

### SDS versions

| Version | Issue date | Author | Description of the amendments             |
|---------|------------|--------|---|
| 2       | 24/02/2025 |        | Updated according to current legislation. |
| 1       | 20/01/2020 |        | It was prepared for the first time.       |

## MAXIMARINE CYL 40

Issued by: Sena Ezgi Selçuk

Abbreviations and acronyms

- ADR: The Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE: Acute Toxicity Estimate.
- CAS No.: Chemical Abstracts Service number.
- DNEL: Derived no-effect level.
- EC No: European Community number
- EC50: Effective concentration of the substance that causes adverse effects in 50% of test animals.
- IATA: International Air Transport Association.
- ICAO: International Civil Aviation Organization
- IMDG: International Maritime Dangerous Goods.
- LC50: Lethal Concentration to 50 % of a test animals.
- LD50: Lethal Dose to 50% of a test animals.
- OEL: Occupational exposure limit.
- PBT: Persistent, Bioaccumulative and Toxic.
- PNEC: Predicted no-effect concentration.
- RID: International Carriage of Dangerous Goods by Rail.
- STEL: Short-term exposure limit
- TWA: Time weighted average
- vPvB: very Persistent and very Bioaccumulative.

Texts of the regulatory sentences

|                   |  |
|-------------------|--|
| Aquatic Chronic 3 | Hazardous to the aquatic environment - Aquatic Chronic 3 |
| H412              | Harmful to aquatic life with long lasting effects.       |
| Not Classified    | Not classified   |

The information provided in this Safety Data Sheet (SDS) is current on the date the SDS was prepared or revised. Implementation of measures that are provided on SDS is under downstream user companies' responsibility. Downstream users may change the measures in the SDS according to the conditions in their own business.

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