

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

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## Mabanol Delta Marine 4T 10W-40

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

#### \* 1.1. Product identifier

**Trade name/designation:**

Mabanol Delta Marine 4T 10W-40

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

**Use of the substance/mixture:**

Motor oil

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

**Supplier (manufacturer/importer/only representative/downstream user/distributor):**

**Mabanol GmbH & Co. KG**

Koreastraße 7

20457 Hamburg

Germany

**Telephone:** 0049 (0) 40 36809988

**E-mail:** info@mabanol.com

**Website:** www.mabanol.com

#### 1.4. Emergency telephone number

Giftinformationszentrale Göttingen , 24h: 0049 (0) 551 1 92 40

### SECTION 2: Hazards identification

#### \* 2.1. Classification of the substance or mixture

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

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

#### \* 2.2. Label elements

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

**Hazard components for labelling:**

Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7); Distillates (petroleum), solvent-dewaxed heavy paraffinic; Distillates (petroleum), hydrotreated light paraffinic

##### Supplemental hazard information

EUH210 Safety data sheet available on request.

#### 2.3. Other hazards

No data available

### SECTION 3: Composition / information on ingredients

#### \* 3.2. Mixtures

**Description:**

Highly refined mineral oils and additives.

**Additional information:**

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3.

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### Hazardous ingredients / Hazardous impurities / Stabilisers:

| product identifiers  | Substance name<br>Classification according to Regulation (EC) No 1272/2008<br>[CLP]            | Concentration           |
|--|--|-------------------------|
| CAS No.: 64742-54-7<br>EC No.: 265-157-1<br>REACH No.:<br>01-2119484627-25 | Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)<br>Asp. Tox. 1<br>H304 | 10 - < 20<br>weight-%   |
| CAS No.: 64742-65-0<br>EC No.: 265-169-7<br>REACH No.:<br>01-2119471299-27 | Distillates (petroleum), solvent-dewaxed heavy paraffinic<br>Asp. Tox. 1<br>H304               | 0.1 - < 2.5<br>weight-% |
| CAS No.: 64742-55-8<br>EC No.: 265-158-7<br>REACH No.:<br>01-2119487077-29 | Distillates (petroleum), hydrotreated light paraffinic<br>Asp. Tox. 1<br>H304                  | 0.1 - < 2.5<br>weight-% |
| CAS No.: 36878-20-3<br>EC No.: 253-249-4<br>REACH No.:<br>01-2119488911-28 | bis(nonylphenyl)amine<br>Aquatic Chronic 4<br>H413   | 0.1 - < 2.5<br>weight-% |

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### Following inhalation:

Remove casualty to fresh air and keep warm and at rest. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

#### In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. In case of skin irritation, consult a physician.

#### After eye contact:

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

#### Following ingestion:

Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Never give anything by mouth to an unconscious person or a person with cramps. When in doubt or if symptoms are observed, get medical advice.

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

Observe risk of aspiration if vomiting occurs.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media:

Sand. Foam. Carbon dioxide (CO<sub>2</sub>). Extinguishing powder.

In case of major fire and large quantities: Water spray jet. Water mist.

#### Unsuitable extinguishing media:

Full water jet.

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

Burning produces heavy smoke.

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### Hazardous combustion products:

In case of fire may be liberated: Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). Sulphur dioxide (SO<sub>2</sub>). In case of fire: Gases/vapours, toxic.

### 5.3. Advice for firefighters

Do not inhale explosion and combustion gases. Wear a self-contained breathing apparatus and chemical protective clothing.

### 5.4. Additional information

Co-ordinate fire-fighting measures to the fire surroundings. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

##### Personal precautions:

Use personal protection equipment. Ventilate affected area. Special danger of slipping by leaking/spilling product.

#### 6.1.2. For emergency responders

##### Personal protection equipment:

Personal protection equipment: see section 8.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Prevent spread over a wide area (e.g. by containment or oil barriers).

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

#### For cleaning up:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Clean contaminated articles and floor according to the environmental legislation.

### 6.4. Reference to other sections

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Protective measures

##### Advices on safe handling:

Wear personal protection equipment (refer to section 8). Avoid: generation/formation of aerosols. Generation/formation of mist.

##### Fire prevent measures:

Usual measures for fire prevention. Keep away from sources of ignition - No smoking.  
Fire class: B (Fires of liquids or liquid turning substances).

#### Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin. Wash hands before breaks and after work. Apply skin care products after work. Do not put any product-impregnated cleaning rags into your trouser pockets. Used working clothes should not be worn outside the work area. Wash contaminated clothing before reuse.

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

#### Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place. Only use containers specifically approved for the substance/product.

#### Hints on storage assembly:

Do not store together with: Gas. Explosives. P8 OXIDISING LIQUIDS AND SOLIDS. Radioactive substances. Infectious substances.

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### Further information on storage conditions:

Temperature control required. Keep container tightly closed.  
Protect against: Light. UV-radiation/sunlight. Air.  
storage temperature 0 - 40 °C

### 7.3. Specific end use(s)

No data available

## SECTION 8: Exposure controls/personal protection

### \* 8.1. Control parameters

#### 8.1.1. Occupational exposure limit values

No data available

#### 8.1.2. Biological limit values

No data available

#### 8.1.3. DNEL-/PNEC-values

| Substance name   | DNEL value            | ① DNEL type<br>② Exposure route<br>③ Exposure time                   |
|--|-----------------------|--|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic<br>CAS No.: 64742-65-0 | 5.4 mg/m <sup>3</sup> | ① DNEL worker<br>② Long-term - inhalation, local effects<br>③ 8 h    |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic<br>CAS No.: 64742-65-0 | 1.2 mg/m <sup>3</sup> | ① DNEL Consumer<br>② Long-term - inhalation, local effects<br>③ 24 h |

| Substance name   | PNEC Value | ① PNEC type                |
|--|------------|----------------------------|
| Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)<br>CAS No.: 64742-54-7 | 9.33 mg/kg | ① PNEC secondary poisoning |
| Distillates (petroleum), hydrotreated light paraffinic<br>CAS No.: 64742-55-8                  | 9.33 mg/kg | ① PNEC secondary poisoning |

### \* 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Provide adequate ventilation.

#### 8.2.2. Personal protection equipment



#### Eye/face protection:

Safety goggles with side protection. In case of increased risk add protective face shield. DIN EN 166.

#### Skin protection:

Tested protective gloves must be worn (EN ISO 374).

Suitable material: NBR (Nitrile rubber). Thickness of the glove material: > 0,35 mm. Breakthrough time:: > 480 min.

Breakthrough times and swelling properties of the material must be taken into consideration. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Suitable protective clothing: flame-resistant

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### Respiratory protection:

Usually no personal respiratory protection necessary.

Respiratory protection necessary at: exceeding exposure limit values. aerosol or mist formation. Suitable respiratory protection apparatus: Filtering device (full mask or mouthpiece) with filter: A2, A2/P2, ABEK. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

### 8.2.3. Environmental exposure controls

No data available

### 8.3. Additional information

air limit values:

Possibility of exposure to Aerosols

Limit value = 5 mg/m<sup>3</sup> (ACGIH TLV)

Limit value = 10 mg/m<sup>3</sup> (ACGIH STEL)

## SECTION 9: Physical and chemical properties

### \* 9.1. Information on basic physical and chemical properties

#### Appearance

Physical state: Liquid

Colour: brown

Odour: not determined

#### Safety relevant basis data

| parameter                                    |  | at °C | Method     | Remark |
|--|--|-------|------------|--------|
| pH   | <i>not determined</i>  |       |            |        |
| Melting point                                | <i>not determined</i>  |       |            |        |
| Freezing point                               | <i>not determined</i>  |       |            |        |
| Initial boiling point and boiling range      | <i>not determined</i>  |       |            |        |
| Decomposition temperature                    | <i>not determined</i>  |       |            |        |
| Flash point                                  | 222 °C   |       | ASTM D92   |        |
| Evaporation rate                             | <i>not determined</i>  |       |            |        |
| Auto-ignition temperature                    | <i>not determined</i>  |       |            |        |
| Upper/lower flammability or explosive limits | <i>not determined</i>  |       |            |        |
| Vapour pressure                              | <i>not determined</i>  |       |            |        |
| Vapour density                               | <i>not determined</i>  |       |            |        |
| Density                                      | 0.872 g/cm <sup>3</sup>  | 15 °C | ASTM D4052 |        |
| Bulk density                                 | <i>not determined</i>  |       |            |        |
| Water solubility                             | The study does not need to be conducted because the substance is known to be insoluble in water. |       |            |        |
| Partition coefficient: n-octanol/water       | <i>not determined</i>  |       |            |        |
| Dynamic viscosity                            | <i>not determined</i>  |       |            |        |
| Kinematic viscosity                          | 94 mm <sup>2</sup> /s  | 40 °C | ASTM D7279 |        |
| Pour point                                   | -36 °C   |       | ASTM D5950 |        |

### 9.2. Other information

No data available

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## Mabanol Delta Marine 4T 10W-40

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No information available.

#### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

#### 10.4. Conditions to avoid

No information available.

#### 10.5. Incompatible materials

Oxidising agent, strong.

#### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

### SECTION 11: Toxicological information

#### \* 11.1. Information on toxicological effects

| CAS No.    | Substance name  | Toxicological information  |
|------------|---|--|
| 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7) | <b>LD<sub>50</sub> oral:</b><br>>5,000 mg/kg (Rat) OECD 420<br><b>LD<sub>50</sub> dermal:</b><br>>2,000 mg/kg (Rabbit) OECD 402  |
| 64742-65-0 | Distillates (petroleum), solvent-dewaxed heavy paraffinic               | <b>LD<sub>50</sub> oral:</b><br>>5,000 mg/kg (Rat)<br><b>LD<sub>50</sub> dermal:</b><br>>5,000 mg/kg (Rabbit)<br><b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b><br>>5.53 mg/l 4 h (Rat)                            |
| 64742-55-8 | Distillates (petroleum), hydrotreated light paraffinic                  | <b>LD<sub>50</sub> dermal:</b><br>>5,000 mg/kg (Rabbit) OECD 402<br><b>LD<sub>50</sub> oral:</b><br>>5,000 mg/kg (Rat) OECD 401<br><b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b><br>>5.53 mg/l 4 h (Rat) OECD 403 |
| 36878-20-3 | bis(nonylphenyl)amine   | <b>LD<sub>50</sub> oral:</b><br>>5,000 mg/kg (Rat) OECD 401<br><b>LD<sub>50</sub> dermal:</b><br>>2,000 mg/kg (Rat) OECD 402   |

#### Acute oral toxicity:

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

#### Acute dermal toxicity:

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

#### Acute inhalation toxicity:

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

#### Skin corrosion/irritation:

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

#### Serious eye damage/irritation:

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

#### Respiratory or skin sensitisation:

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

#### Germ cell mutagenicity:

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

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### Carcinogenicity:

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

### Reproductive toxicity:

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

### STOT-single exposure:

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

### STOT-repeated exposure:

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

### Aspiration hazard:

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

### Additional information:

Frequently or prolonged contact with skin may cause dermal irritation.

## SECTION 12: Ecological information

### \* 12.1. Toxicity

| CAS No.    | Substance name  | Toxicological information  |
|------------|---|--|
| 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7) | <b>NOEC:</b> 10 mg/l 21 d (crustaceans, Daphnia magna (Big water flea)) OECD 211   |
| 64742-65-0 | Distillates (petroleum), solvent-dewaxed heavy paraffinic               | <b>EC<sub>50</sub>:</b> >10,000 mg/l 2 d (crustaceans, Daphnia magna (Big water flea))<br><b>LC<sub>50</sub>:</b> >100 mg/l 4 d (fish, Oncorhynchus mykiss (Rainbow trout))<br><b>EC<sub>50</sub>:</b> >100 mg/l 3 d (Algae/water plant)   |
| 64742-55-8 | Distillates (petroleum), hydrotreated light paraffinic                  | <b>LC<sub>50</sub>:</b> >100 mg/l 4 d (fish, Pimephales promelas (fathead minnow)) OECD 203<br><b>EC<sub>50</sub>:</b> >10,000 mg/l 2 d (crustaceans, Daphnia magna (Big water flea)) OECD 202<br><b>EC<sub>50</sub>:</b> >100 mg/l 3 d (Algae/water plant, Pseudo kirchneriella subcapitata)<br><b>NOEC:</b> >10 mg/l 21 d (crustaceans, Daphnia magna (Big water flea)) OECD 211 |
| 36878-20-3 | bis(nonylphenyl)amine   | <b>LC<sub>50</sub>:</b> >100 mg/l 4 d (fish, Danio rerio (zebrafish))<br><b>EC<sub>50</sub>:</b> >100 mg/l 2 d (crustaceans, Daphnia magna (Big water flea))   |

### Assessment/classification:

Harmful to aquatic life with long lasting effects.

### \* 12.2. Persistence and degradability

| CAS No.    | Substance name  | Biodegradation | Remark  |
|------------|---|----------------|---|
| 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7) | —              | Not readily biodegradable (according to OECD criteria)  |
| 64742-55-8 | Distillates (petroleum), hydrotreated light paraffinic                  | —              | Not readily biodegradable (according to OECD criteria). |
| 36878-20-3 | bis(nonylphenyl)amine   | —              | Not readily biodegradable (according to OECD criteria)  |

### Additional information:

The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

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### \* 12.3. Bioaccumulative potential

| CAS No.    | Substance name   | Log K <sub>ow</sub> | Bioconcentration factor (BCF) |
|------------|--|---------------------|-------------------------------|
| 64742-55-8 | Distillates (petroleum), hydrotreated light paraffinic | 3.5                 |                               |

#### Accumulation / Evaluation:

No information available.

### 12.4. Mobility in soil

No information available.

### \* 12.5. Results of PBT and vPvB assessment

| CAS No.    | Substance name  | Results of PBT and vPvB assessment   |
|------------|---|--|
| 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7) | The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII. |
| 64742-65-0 | Distillates (petroleum), solvent-dewaxed heavy paraffinic               | The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII. |
| 64742-55-8 | Distillates (petroleum), hydrotreated light paraffinic                  | The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII. |
| 36878-20-3 | bis(nonylphenyl)amine   | The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII. |

### 12.6. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

#### 13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

##### Waste code product:

|            |   |
|------------|---|
| 13 02 05 * | mineral-based non-chlorinated engine, gear and lubricating oils |
|------------|---|

\*: Evidence for disposal must be provided.

### Waste treatment options

#### Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

#### Appropriate disposal / Package:

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

## SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

| Land transport (ADR/RID)                                   | Inland waterway craft (ADN)                                | Sea transport (IMDG)                                       | Air transport (ICAO-TI / IATA-DGR)                         |
|--|--|--|--|
| <b>14.1. UN-No.</b>  |  |  |  |
| No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. |
| <b>14.2. UN proper shipping name</b>                       |  |  |  |
| No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. |



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| Land transport (ADR/<br>RID)              | Inland waterway<br>craft (ADN) | Sea transport (IMDG) | Air transport (ICAO-<br>TI / IATA-DGR) |
|---|--------------------------------|----------------------|--|
| <b>14.3. Transport hazard class(es)</b>   |                                |                      |  |
| not relevant                              |                                |                      |  |
| <b>14.4. Packing group</b>                |                                |                      |  |
| not relevant                              |                                |                      |  |
| <b>14.5. Environmental hazards</b>        |                                |                      |  |
| not relevant                              |                                |                      |  |
| <b>14.6. Special precautions for user</b> |                                |                      |  |
| not relevant                              |                                |                      |  |

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**  
not relevant

### SECTION 15: Regulatory information

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

#### 15.1.1. EU legislation

##### Other regulations (EU):

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: This product is not assigned to a hazard category.

Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]: No information available.

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds: No information available.

Observe in addition any national regulations!

#### 15.1.2. National regulations

##### [DE] National regulations

##### Störfallverordnung

##### for substances contained in the product:

This product is not assigned to a hazard category.

##### Technische Anleitung Luft (TA-Luft)

##### Remark:

No information available.

##### Water hazard class

##### WGK:

1 - schwach wassergefährdend

##### Remark:

Self-classification (mixture; calculation rule).

#### 15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### 16.1. Indication of changes

|      |  |
|------|--|
| 1.1. | Product identifier                         |
| 2.1. | Classification of the substance or mixture |
| 2.2. | Label elements                             |
| 3.2. | Mixtures                                   |
| 8.1. | Control parameters                         |
| 8.2. | Exposure controls                          |

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| 9.1.  | Information on basic physical and chemical properties  |
| 11.1. | Information on toxicological effects   |
| 12.1. | Toxicity   |
| 12.2. | Persistence and degradability  |
| 12.3. | Bioaccumulative potential  |
| 12.5. | Results of PBT and vPvB assessment   |
| 15.1. | Safety, health and environmental regulations/legislation specific for the substance or mixture |

### 16.2. Abbreviations and acronyms

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: Accord européen sur le transport des marchandises dangereuses par Route (International Carriage of Dangerous Goods by Road)

AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen

CAS Chemical Abstracts Service

DNEL: Derived No Effect Level

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute of Occupational Safety and Health

NOAEL: No observed adverse effect level

NOAEC: No observed adverse effect level

NTP: National Toxicology Program

N/A: not applicable

OEL: Occupational Exposure limit (Arbeitsplatzgrenzwert)

OSHA: Occupational Safety and Health Administration

PEL: permissible exposure limit (Zulässiger Expositionsgrenzwert)

PBT: persistent bioaccumulative toxic

PNEC: predicted no effect concentration

REL: Recommended exposure limit (Empfohlene Expositionsgrenze)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

SARA: Superfund Amendments and Reauthorization Act

STEL: Short Term Exposure Limit (Kurzzeitgrenzwert) (15 min)

SVHC: substance of very high concern

TLV: Threshold Limit Values (Schwellwert Grenzwerte)

TRGS Technische Regeln für Gefahrstoffe

TSCA: Toxic Substances Control Act

TWA: Time Weighted Average (Zeitlich gewichteter Mittelwert) (8 h)

VOC: Volatile Organic Compounds

vPvB: very persistent and very bioaccumulative

VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe

WGK: Wassergefährdungsklasse

### 16.3. Key literature references and sources for data

No data available

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

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

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

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## Mabanol Delta Marine 4T 10W-40

### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

| Hazard statements |   |
|-------------------|---|
| H304              | May be fatal if swallowed and enters airways.           |
| H413              | May cause long lasting harmful effects to aquatic life. |

### 16.6. Training advice

No data available

### 16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

\* Data changed compared with the previous version