

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : ECO Protect 5W-40  
Product code : 5W40AR060, 5W40AR061, 5W40AR062, 5W40AR063, 5W40AR064, 5W40AR065  
Product group : Trade product

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use, Consumer use  
Use of the substance/mixture : Engine oil  
Function or use category : Lubricants and additives

##### 1.2.2. Uses advised against

No additional information available

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

ATH&S GmbH  
Bronninghauser str. 26 33729, Bielefeld, Germany  
Tel. +49 (0)521/5535919  
Tel. +49 (0)521/5535938  
Tel. +49 (0)521/5535923  
e-mail: info@ath-s.de

#### 1.4. Emergency telephone number

| Country        | Organisation/Company  | Address                           | Emergency number   | Comment                              |
|----------------|---|-----------------------------------|--|--------------------------------------|
| Ireland        | National Poisons Information Centre<br>Beaumont Hospital                                  | PO Box 1297<br>Beaumont Road<br>9 | +353 1 809 2566<br>(Healthcare professionals-<br>24/7)<br>+353 1 809 2166 (public,<br>8am - 10pm, 7/7) |                                      |
| United Kingdom | National Poisons Information Service<br>(Cardiff Centre)<br>University Hospital Llandough | Penlan Road<br>CF64 2XX           | 0344 892 0111  | Only for healthcare<br>professionals |

### SECTION 2: Hazards identification

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

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

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

#### 2.2. Label elements

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

EUH-statements : EUH210 - Safety data sheet available on request.

#### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

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| Component   |   |
|---|---|
| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Comments : Highly refined mineral oils and additives.

| Name  | Product identifier  | %         | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|-----------|---|
| Distillates (petroleum), hydrotreated heavy paraffinic (Note L)                         | CAS-No.: 64742-54-7<br>EC-No.: 265-157-1<br>EC Index-No.: 649-467-00-8<br>REACH-no: 01-2119484627-25  | 25 - 50   | Asp. Tox. 1, H304   |
| Blend of mineral oils * (*) (Note L)  | -   | 2,5 - 10  | Asp. Tox. 1, H304   |
| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate | CAS-No.: 125643-61-0<br>EC-No.: 406-040-9<br>EC Index-No.: 607-530-00-7<br>REACH-no: 01-0000015551-76 | 0,3 - 2,5 | Aquatic Chronic 4, H413   |

Comments : The highly refined mineral oil contains <3% (w/w) DMSOextract, according to IP346.

\*: \*: contains one or more of the following CAS-numbers (REACH registration numbers):  
64741-88-4 (01-2119488706-23), 64741-89-5 (01-2119487067-30), 64741-95-3 (01-2119487081-40), 64741-96-4 (01-2119483621-38), 64741-97-5 (01-2119480374-36), 64742-01-4 (01-2119488707-21), 64742-52-5 (01-2119467170-45), 64742-53-6 (01-2119480375-34), 64742-54-7 (01-2119484627-25), 64742-55-8 (01-2119487077-29), 64742-56-9 (01-2119480132-48), 64742-57-0 (01-2119489287-22), 64742-62-7 (01-2119480472-38), 64742-65-0 (01-2119471299-27), 64742-71-8 (01-2119485040-48), 72623-85-9 (01-2119555262-43), 72623-86-0 (01-2119474878-16), 72623-87-1 (01-2119474889-13), 74869-22-0 (01-2119495601-36)

Note L: The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide 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), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.

Full text of H- and EUH-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.  
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects : No additional information available.

### 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 : Water spray. Dry powder. Foam. Carbon dioxide.  
Unsuitable extinguishing media : Do not use a heavy water stream.

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

Fire hazard : Combustible liquid.  
Hazardous decomposition products in case of fire : Toxic fumes may be released. Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapour.  
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

Storage conditions : Keep container closed when not in use. Keep in a cool, well-ventilated place away from heat.  
Storage temperature : 0 - 40 °C

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### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

| ECO Protect 5W-40   |   |
|---|---|
| EU - Indicative Occupational Exposure Limit (IOEL)  |   |
| Exposure limits/standards for materials that can be formed when handling this product. When mists/aerosols can occur the following is recommended | 5 mg/mi - ACGIH TLV (inhalable fraction). |

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Appropriate engineering controls:  
Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



##### 8.2.2.1. Eye and face protection

Eye protection:  
Safety glasses

| Eye protection |                      |                 |          |
|----------------|----------------------|-----------------|----------|
| Type           | Field of application | Characteristics | Standard |
| Safety goggles | Droplet              | clear           | EN 166   |

##### 8.2.2.2. Skin protection

Skin and body protection:  
Wear suitable protective clothing

Hand protection:  
Protective gloves

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| Hand protection |                      |                   |                |             |            |
|-----------------|----------------------|-------------------|----------------|-------------|------------|
| Type            | Material             | Permeation        | Thickness (mm) | Penetration | Standard   |
| Reusable gloves | Nitrile rubber (NBR) | 6 (> 480 minutes) | ≥0.35          |             | EN ISO 374 |

Other skin protection

Materials for protective clothing:

Wear suitable protective clothing

### 8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

|   |  |
|---|--|
| Physical state                                  | : Liquid   |
| Colour  | : brown.   |
| Odour   | : characteristic.                                  |
| Odour threshold                                 | : Not available                                    |
| Melting point                                   | : Not applicable                                   |
| Freezing point                                  | : -36 °C - ASTM D5950 (pour point)                 |
| Boiling point                                   | : Not available                                    |
| Flammability                                    | : Not applicable                                   |
| Explosive properties                            | : Presents no particular fire or explosion hazard. |
| Lower explosion limit                           | : Not available                                    |
| Upper explosion limit                           | : Not available                                    |
| Flash point                                     | : 220 °C - ASTM D92 (COC)                          |
| Auto-ignition temperature                       | : Not available                                    |
| Decomposition temperature                       | : Not available                                    |
| pH  | : Not available                                    |
| Viscosity, kinematic                            | : 75,8 mm <sup>2</sup> /s (40 °C) - ASTM D7042     |
| Solubility                                      | : Water: Insoluble / Slightly miscible             |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                                    |
| Vapour pressure                                 | : Not available                                    |
| Vapour pressure at 50°C                         | : Not available                                    |
| Density   | : 0,853 kg/l (15 °C) - ASTM D4052                  |
| Relative density                                | : Not available                                    |
| Relative vapour density at 20°C                 | : Not available                                    |
| Particle characteristics                        | : Not applicable                                   |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

VOC content : 0 %

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Reacts violently with (strong) oxidizers.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

No decomposition if stored normally.

### SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) |                |
|---|----------------|
| LD50 oral rat   | > 5000 mg/kg   |
| LD50 dermal rabbit  | > 2000 mg/kg   |
| LC50 Inhalation - Rat   | > 5,53 mg/l/4h |

| Blend of mineral oils *           |  |
|-----------------------------------|--|
| LD50 oral rat                     | > 5000 mg/kg Data from similar product |
| LD50 dermal rabbit                | > 5000 mg/kg Data from similar product |
| LC50 Inhalation - Rat (Dust/Mist) | > 5 mg/l/4h Data from similar product  |

| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0) |                                |
|---|--------------------------------|
| LD50 oral rat   | > 2000 mg/kg (OECD 401 method) |
| LD50 dermal rat   | > 2000 mg/kg (OECD 402 method) |

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified

| ECO Protect 5W-40    |  |
|----------------------|--|
| Viscosity, kinematic | 75,8 mm <sup>2</sup> /s (40 °C) - ASTM D7042 |

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| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)                                   |              |
|---|--------------|
| Viscosity, kinematic  | < 20,5 mml/s |
| Aliphatic, alicyclic or aromatic hydrocarbon  | Yes          |
| Blend of mineral oils *   |              |
| Viscosity, kinematic  | < 20,5 mml/s |
| Aliphatic, alicyclic or aromatic hydrocarbon  | Yes          |
| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0) |              |
| Viscosity, kinematic  | 6,2 mml/s    |

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |   |
|---|---|
| Ecology - general   | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified  |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified  |
| Not rapidly degradable                                    |   |

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)                                   |  |
|---|--|
| LC50 - Fish [1]   | > 100 mg/l (Pimephales promelas, 96h) (OECD 203 method)            |
| EC50 - Crustacea [1]  | > 10000 mg/l (Gammarus pulex, 48h) (OECD 202 method)               |
| EC50 72h - Algae [1]  | > 100 mg/l   |
| NOEC (acute)  | ≥ 100 mg/l (Pseudokirchnerella subcapitata, 72h) (OECD 201 method) |
| NOEC chronic crustacea  | 10 mg/l (Daphnia magna, 21d) (OECD 211 method)                     |
| Blend of mineral oils *   |  |
| LC50 - Fish [1]   | > 100 mg/l Data from similar product                               |
| EC50 - Crustacea [1]  | > 10000 mg/l Data from similar product                             |
| EC50 72h - Algae [1]  | > 100 mg/l Data from similar product                               |
| NOEC chronic crustacea  | > 10 mg/l  |
| NOEC chronic algae  | > 10 mg/l (Water flea (Daphnia magna), 21 d)                       |
| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0) |  |
| LC50 - Fish [1]   | > 74 mg/l Brachydanio rerio (zebra-fish) - (OECD 203 method)       |
| EC50 - Crustacea [1]  | > 100 mg/l Daphnia magna (Water flea) - (OECD 202 method)          |
| EC50 72h - Algae [1]  | > 3 mg/l Desmodesmus subspicatus - (OECD 201 method)               |
| NOEC (acute)  | ≥ 3 mg/l (Desmodesmus subspicatus, 72h) (OECD 201 method)          |

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### 12.2. Persistence and degradability

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

|                |                               |
|----------------|-------------------------------|
| Biodegradation | 31 % (28d) (OECD 301F method) |
|----------------|-------------------------------|

reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)

|                               |                            |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |
|-------------------------------|----------------------------|

### 12.3. Bioaccumulative potential

reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)

|                                     |  |
|-------------------------------------|--|
| Bioconcentration factor (BCF REACH) | 260 (Oncorhynchus mykiss, 35d) (OECD 305 method) |
|-------------------------------------|--|

|   |     |
|---|-----|
| Partition coefficient n-octanol/water (Log Pow) | 9,2 |
|---|-----|

### 12.4. Mobility in soil

reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)

|                |                                       |
|----------------|---------------------------------------|
| Ecology - soil | Product adsorbs little onto the soil. |
|----------------|---------------------------------------|

### 12.5. Results of PBT and vPvB assessment

Component

|   |   |
|---|---|
| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
|---|---|

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|  |   |
|--|---|
| Waste treatment methods                    | : Do not allow into drains or water courses. Dispose of contents/container in accordance with licensed collector's sorting instructions.  |
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations.   |
| European List of Waste (LoW) code          | : 13 02 05* - mineral-based non-chlorinated engine, gear and lubricating oils   |
| HP Code                                    | : HP3 - "Flammable:"<br>- flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;<br>- flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;<br>- flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;<br>- flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;<br>- water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;<br>- other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.<br>HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration. |



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### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR   | IMDG          | IATA          | ADN           | RID           |
|---|---------------|---------------|---------------|---------------|
| <b>14.1. UN number or ID number</b>   |               |               |               |               |
| No dangerous good in sense of transport regulations.(ADR, RID, IMDG, IATA ) |               |               |               |               |
| Not regulated   | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.2. UN proper shipping name</b>  |               |               |               |               |
| Not regulated   | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.3. Transport hazard class(es)</b>                                     |               |               |               |               |
| Not regulated   | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.4. Packing group</b>  |               |               |               |               |
| Not regulated   | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>  |               |               |               |               |
| Not regulated   | Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available                                      |               |               |               |               |

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Inland waterway transport

Not regulated

#### Rail transport

Not regulated

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

Not applicable

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

#### EU restriction list (REACH Annex XVII)

| Reference code | Applicable on  | Entry title or description  |
|----------------|--|---|
| 3(b)           | Distillates (petroleum), hydrotreated heavy paraffinic ; Blend of mineral oils * | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |

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| EU restriction list (REACH Annex XVII) |   |   |
|--|---|---|
| Reference code                         | Applicable on   | Entry title or description  |
| 3(c)                                   | reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1 |

### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

### VOC Directive (2004/42)

VOC content : 0 %

### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 15.1.2. National regulations

No additional information available

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Indication of changes |  |          |          |
|-----------------------|--|----------|----------|
| Section               | Changed item                           | Change   | Comments |
|                       | Revision date                          | Modified |          |
|                       | Supersedes                             | Modified |          |
| 1.1                   | Trade name                             | Modified |          |
| 1.1                   | Name                                   | Modified |          |
| 3                     | Composition/information on ingredients | Modified |          |
| 9.1                   | Density                                | Modified |          |

### Abbreviations and acronyms:

|     |   |
|-----|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE | Acute Toxicity Estimate   |

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| Abbreviations and acronyms: |  |
|-----------------------------|--|
| BCF                         | Bioconcentration factor  |
| BLV                         | Biological limit value   |
| BOD                         | Biochemical oxygen demand (BOD)  |
| COD                         | Chemical oxygen demand (COD)   |
| DMEL                        | Derived Minimal Effect level   |
| DNEL                        | Derived-No Effect Level  |
| EC-No.                      | European Community number  |
| EC50                        | Median effective concentration   |
| EN                          | European Standard  |
| IARC                        | International Agency for Research on Cancer                                  |
| IATA                        | International Air Transport Association                                      |
| IMDG                        | International Maritime Dangerous Goods                                       |
| LC50                        | Median lethal concentration  |
| LD50                        | Median lethal dose   |
| LOAEL                       | Lowest Observed Adverse Effect Level   |
| NOAEC                       | No-Observed Adverse Effect Concentration                                     |
| NOAEL                       | No-Observed Adverse Effect Level   |
| NOEC                        | No-Observed Effect Concentration   |
| OECD                        | Organisation for Economic Co-operation and Development                       |
| OEL                         | Occupational Exposure Limit  |
| PBT                         | Persistent Bioaccumulative Toxic   |
| PNEC                        | Predicted No-Effect Concentration  |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                         | Safety Data Sheet  |
| STP                         | Sewage treatment plant   |
| ThOD                        | Theoretical oxygen demand (ThOD)   |
| TLM                         | Median Tolerance Limit   |
| VOC                         | Volatile Organic Compounds   |
| CAS-No.                     | Chemical Abstract Service number   |
| N.O.S.                      | Not Otherwise Specified  |
| vPvB                        | Very Persistent and Very Bioaccumulative                                     |
| ED                          | Endocrine disrupting properties  |

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Aquatic Chronic 4                   | Hazardous to the aquatic environment - Chronic Hazard, Category 4 |
| Asp. Tox. 1                         | Aspiration hazard, Category 1                                     |
| EUH210                              | Safety data sheet available on request.                           |
| H304                                | May be fatal if swallowed and enters airways.                     |
| H413                                | May cause long lasting harmful effects to aquatic life.           |

# ECO Protect 5W-40

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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Safety Data Sheet (SDS), EU

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.