

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Trade name : Danish Oil  
UFI : 1220-1075-Y00F-9VPQ  
Product code : OIDAGEN

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Intended for general public  
Main use category : Professional use, Consumer use  
Use of the substance/mixture : Wood Treatment

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet****Supplier**

J.V. Barrett & Co. Ltd Ltd  
St Ivel Way Warmley  
United Kingdom– BS30 8TY Bristol  
United Kingdom  
T +44 (0)1179 60 00 60  
[sales@barrettine.co.uk](mailto:sales@barrettine.co.uk) - [www.barrettine.co.uk](http://www.barrettine.co.uk)

**EU**

Barrettine (Europe) Ltd Ltd  
Unit 3D North Point House, North Point Business Park, New Mallow Road  
Ireland– T23 AT2P Cork  
Ireland  
T +44 1179 60 00 60

**1.4. Emergency telephone number**

Emergency number : +44 (0) 1179 600060 (Office hours only 8am - 5pm Mon- Thurs. 8 am - 4.30 pm Fri.)

| Country        | Organisation/Company                                                         | Address                | Emergency number | Comment                           |
|----------------|------------------------------------------------------------------------------|------------------------|------------------|-----------------------------------|
| United Kingdom | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH | 0344 892 0111    | Only for healthcare professionals |

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Flammable liquids, Category 3 H226  
Specific target organ toxicity – Single exposure, Category 3, Narcosis H336  
Aspiration hazard, Category 1 H304  
Full text of H- and EUH-statements: see section 16

**Adverse physicochemical, human health and environmental effects**

Flammable liquid and vapour. May cause damage to organs through prolonged or repeated exposure. May cause drowsiness or dizziness. May cause an allergic skin reaction. May be fatal if swallowed and enters airways.

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

Hazard pictograms (CLP)



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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

|                                | GHS02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | GHS07 | GHS08 |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|
| Signal word (CLP)              | : Danger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |       |
| Contains                       | : Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics; Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics; Naphtha (petroleum), hydrotreated heavy < 0.1% Benzene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |       |
| Hazard statements (CLP)        | : H226 - Flammable liquid and vapour.<br>H304 - May be fatal if swallowed and enters airways.<br>H336 - May cause drowsiness or dizziness.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |       |
| Precautionary statements (CLP) | : P101 - If medical advice is needed, have product container or label at hand.<br>P102 - Keep out of reach of children.<br>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P261 - Avoid breathing fume, mist, spray, vapours.<br>P271 - Use only outdoors or in a well-ventilated area.<br>P280 - Wear protective gloves, protective clothing, eye protection.<br>P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.<br>P405 - Store locked up.<br>P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |       |       |
| Child-resistant fastening      | : Applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |       |
| Tactile warning                | : Applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |       |

### 2.3. Other hazards

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

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                                                                                                          | Product identifier                                                                                   | %                | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------|
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics                                          | EC-No.: 919-857-5<br>REACH-no: 01-2119463258-33                                                      | $\geq 50 - < 70$ | Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>STOT SE 3, H336      |
| Blown linseed oil                                                                                             | CAS-No.: 68649-95-6<br>EC-No.: 272-038-8<br>REACH-no: 01-2119484875-20                               | $\geq 10 - < 30$ | Aquatic Chronic 3, H412                                         |
| Naphtha (petroleum), hydrotreated heavy < 0.1% Benzene<br>substance with a Community workplace exposure limit | CAS-No.: 64742-48-9<br>EC-No.: 265-150-3<br>EC Index-No.: 649-327-00-6<br>REACH-no: 01-2119486659-16 | $\geq 3 - < 10$  | Asp. Tox. 1, H304                                               |
| 2-(2-butoxyethoxy)ethanol<br>substance with a Community workplace exposure limit                              | CAS-No.: 112-34-5<br>EC-No.: 203-961-6<br>EC Index-No.: 603-096-00-8<br>REACH-no: 01-2119475104-44   | $\geq 1 - < 3$   | Eye Irrit. 2, H319                                              |

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

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |                                                                                                                                                  |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : Call a physician immediately.                                                                                                                  |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.                                        |
| First-aid measures after skin contact | : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. |
| First-aid measures after eye contact  | : If eye irritation persists: Get medical advice/attention. Rinse eyes with water as a precaution.                                               |
| First-aid measures after ingestion    | : Rinse mouth. Immediately call a POISON CENTER/doctor. Do not induce vomiting. Call a physician immediately.                                    |

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

|                                     |                                        |
|-------------------------------------|----------------------------------------|
| Symptoms/effects                    | : May cause drowsiness or dizziness.   |
| Symptoms/effects after inhalation   | : May cause drowsiness or dizziness.   |
| Symptoms/effects after skin contact | : May cause an allergic skin reaction. |
| Symptoms/effects after eye contact  | : May cause eye irritation.            |
| Symptoms/effects after ingestion    | : Risk of lung oedema.                 |

#### 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                                      | : Flammable liquid and vapour. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |

#### 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. No open flames, no sparks, and no smoking. Do not breathe fume, mist, vapours, spray. Avoid contact with skin and eyes. |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|

##### 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. Notify authorities if product enters sewers or public waters. |
| Other information       | : Dispose of materials or solid residues at an authorised site.                                               |

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### 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 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Do not breathe fume, mist, vapours, spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.
- Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

- Technical measures : Ground/bond container and receiving equipment.
- Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

### 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

| 2-(2-butoxyethoxy)ethanol (112-34-5)          |                                       |
|-----------------------------------------------|---------------------------------------|
| United Kingdom - Occupational Exposure Limits |                                       |
| Local name                                    | 2-(2-Butoxyethoxy)ethanol             |
| WEL TWA (OEL TWA) [1]                         | 67.5 mg/m <sup>3</sup>                |
| WEL TWA (OEL TWA) [2]                         | 10 ppm                                |
| WEL STEL (OEL STEL)                           | 101.2 mg/m <sup>3</sup>               |
| WEL STEL (OEL STEL) [ppm]                     | 15 ppm                                |
| Regulatory reference                          | EH40/2005 (Fourth edition, 2020). HSE |

#### 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.

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### 8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

**Eye protection:**

Safety glasses

#### 8.2.2.2. Skin protection

**Skin and body protection:**

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                                          | : light brown.              |
| Odour                                           | : Hydrocarbons.             |
| Odour threshold                                 | : No data available         |
| pH                                              | : No data available         |
| Relative evaporation rate (butylacetate=1)      | : No data available         |
| Melting point                                   | : Not applicable            |
| Freezing point                                  | : No data available         |
| Boiling point                                   | : No data available         |
| Flash point                                     | : 41 °C                     |
| Auto-ignition temperature                       | : > 200 °C                  |
| Decomposition temperature                       | : No data available         |
| Flammability (solid, gas)                       | : Not applicable            |
| Vapour pressure                                 | : No data available         |
| Relative vapour density at 20°C                 | : No data available         |
| Relative density                                | : No data available         |
| Density                                         | : 0.85 kg/l                 |
| Solubility                                      | : insoluble in water.       |
| Partition coefficient n-octanol/water (Log Pow) | : No data available         |
| Viscosity, kinematic                            | : 17.647 mm <sup>2</sup> /s |
| Viscosity, dynamic                              | : 15 cP                     |
| Explosive properties                            | : No data available         |
| Oxidising properties                            | : No data available         |
| Explosive limits                                | : No data available         |

### 9.2. Other information

VOC content : 536 g/l

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Flammable liquid and vapour.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

#### 10.5. Incompatible materials

Oxidizing agent. Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

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

#### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

|                    |                                                                                               |
|--------------------|-----------------------------------------------------------------------------------------------|
| LD50 dermal rat    | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)    |
| LD50 dermal rabbit | ≥ 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

#### Blown linseed oil (68649-95-6)

|                 |                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity), Guideline: other:Japanese Ministry of Agriculture, Forestry and Fisheries (JMAFF), 12 Nousan, Notification No 8147, November 2000; including the most recent partial revisions. |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 2-(2-butoxyethoxy)ethanol (112-34-5)

|                    |                                                                                                                                    |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------|
| LD50 oral rat      | 5660 mg/kg                                                                                                                         |
| LD50 dermal rabbit | 2764 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), 95% CL: 2090 - 3645 |

#### Naphtha (petroleum), hydrotreated heavy < 0.1% Benzene (64742-48-9)

|                    |                                                                                          |
|--------------------|------------------------------------------------------------------------------------------|
| LD50 oral rat      | > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LD50 dermal rabbit | > 3160 mg/kg Source: IUCLID                                                              |

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

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Reproductive toxicity : Not classified  
STOT-single exposure : May cause drowsiness or dizziness.

### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

STOT-single exposure : May cause drowsiness or dizziness.  
STOT-repeated exposure : Not classified

### Blown linseed oil (68649-95-6)

NOAEL (oral, rat, 90 days) : > 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

### 2-(2-butoxyethoxy)ethanol (112-34-5)

NOAEL (oral, rat, 90 days) : 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)

Aspiration hazard : May be fatal if swallowed and enters airways.

### Danish Oil

Viscosity, kinematic : 17.647 mm<sup>2</sup>/s

### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Viscosity, kinematic : 1.33 mm<sup>2</sup>/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm<sup>2</sup>/s)'  
Human evidence for classification : Yes  
Hydrocarbon : Yes

### Blown linseed oil (68649-95-6)

Viscosity, kinematic : 90.522 mm<sup>2</sup>/s

### 2-(2-butoxyethoxy)ethanol (112-34-5)

Viscosity, kinematic : ≈ 6.794 mm<sup>2</sup>/s

### Naphtha (petroleum), hydrotreated heavy < 0.1% Benzene (64742-48-9)

Viscosity, kinematic : < 1 mm<sup>2</sup>/s Temp.: 'other:37.8°C' Parameter: 'kinematic viscosity (in mm<sup>2</sup>/s)'  
Human evidence for classification : Yes  
Hydrocarbon : Yes

## 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

### Blown linseed oil (68649-95-6)

EC50 - Crustacea [1] : > 32.4 mg/l Test organisms (species): Daphnia magna

### 2-(2-butoxyethoxy)ethanol (112-34-5)

LC50 - Fish [1] : 1300 mg/l Test organisms (species): Lepomis macrochirus

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### 2-(2-butoxyethoxy)ethanol (112-34-5)

|                      |                                                                                                       |
|----------------------|-------------------------------------------------------------------------------------------------------|
| EC50 - Crustacea [1] | > 100 mg/l Test organisms (species): Daphnia magna                                                    |
| EC50 96h - Algae [1] | > 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |

### Naphtha (petroleum), hydrotreated heavy < 0.1% Benzene (64742-48-9)

|                                    |                          |
|------------------------------------|--------------------------|
| LC50 - Fish [1]                    | 2200 mg/l Source: IUCLID |
| LC50 - Other aquatic organisms [1] | 2.6 mg/l Source: IUCLID  |

## 12.2. Persistence and degradability

No additional information available

## 12.3. Bioaccumulative potential

### 2-(2-butoxyethoxy)ethanol (112-34-5)

|                                                 |      |
|-------------------------------------------------|------|
| Partition coefficient n-octanol/water (Log Pow) | 0.56 |
|-------------------------------------------------|------|

### Naphtha (petroleum), hydrotreated heavy < 0.1% Benzene (64742-48-9)

|                                                 |                        |
|-------------------------------------------------|------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 2.1 – 6 Source: IUCLID |
|-------------------------------------------------|------------------------|

## 12.4. Mobility in soil

No additional information available

## 12.5. Results of PBT and vPvB assessment

No additional information available

## 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Additional information : Flammable vapours may accumulate in the container.

## SECTION 14: Transport information

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

| ADR                                           | IMDG                                   | IATA                  | ADN                                    | RID                                    |
|-----------------------------------------------|----------------------------------------|-----------------------|----------------------------------------|----------------------------------------|
| <b>14.1. UN number</b>                        |                                        |                       |                                        |                                        |
| UN 1263                                       | UN 1263                                | UN 1263               | UN 1263                                | UN 1263                                |
| <b>14.2. UN proper shipping name</b>          |                                        |                       |                                        |                                        |
| PAINT RELATED MATERIAL                        | PAINT RELATED MATERIAL                 | Paint                 | PAINT RELATED MATERIAL                 | PAINT RELATED MATERIAL                 |
| <b>Transport document description</b>         |                                        |                       |                                        |                                        |
| UN 1263 PAINT RELATED MATERIAL, 3, III, (D/E) | UN 1263 PAINT RELATED MATERIAL, 3, III | UN 1263 Paint, 3, III | UN 1263 PAINT RELATED MATERIAL, 3, III | UN 1263 PAINT RELATED MATERIAL, 3, III |
| <b>14.3. Transport hazard class(es)</b>       |                                        |                       |                                        |                                        |
| 3                                             | 3                                      | 3                     | 3                                      | 3                                      |

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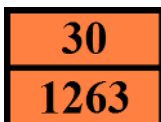
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| ADR                                                                               | IMDG                                                                              | IATA                                                                              | ADN                                                                                 | RID                                                                                 |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |
| <b>14.4. Packing group</b>                                                        |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| III                                                                               | III                                                                               | III                                                                               | III                                                                                 | III                                                                                 |
| <b>14.5. Environmental hazards</b>                                                |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Dangerous for the environment: No                                                 | Dangerous for the environment: No<br>Marine pollutant: No                         | Dangerous for the environment: No                                                 | Dangerous for the environment: No                                                   | Dangerous for the environment: No                                                   |
| No supplementary information available                                            |                                                                                   |                                                                                   |                                                                                     |                                                                                     |

### 14.6. Special precautions for user

#### Overland transport

|                                                           |                           |
|-----------------------------------------------------------|---------------------------|
| Classification code (ADR)                                 | : F1                      |
| Special provisions (ADR)                                  | : 163, 367, 650           |
| Limited quantities (ADR)                                  | : 5I                      |
| Excepted quantities (ADR)                                 | : E1                      |
| Packing instructions (ADR)                                | : P001, IBC03, LP01, R001 |
| Special packing provisions (ADR)                          | : PP1                     |
| Mixed packing provisions (ADR)                            | : MP19                    |
| Portable tank and bulk container instructions (ADR)       | : T2                      |
| Portable tank and bulk container special provisions (ADR) | : TP1, TP29               |
| Tank code (ADR)                                           | : LGBF                    |
| Vehicle for tank carriage                                 | : FL                      |
| Transport category (ADR)                                  | : 3                       |
| Special provisions for carriage - Packages (ADR)          | : V12                     |
| Special provisions for carriage - Operation (ADR)         | : S2                      |
| Hazard identification number (Kemler No.)                 | : 30                      |
| Orange plates                                             | :                         |



|                               |        |
|-------------------------------|--------|
| Tunnel restriction code (ADR) | : D/E  |
| EAC code                      | : •3YE |

#### Transport by sea

|                                    |                                                        |
|------------------------------------|--------------------------------------------------------|
| Special provisions (IMDG)          | : 163, 223, 367, 955                                   |
| Limited quantities (IMDG)          | : 5 L                                                  |
| Excepted quantities (IMDG)         | : E1                                                   |
| Packing instructions (IMDG)        | : P001, LP01                                           |
| Special packing provisions (IMDG)  | : PP1                                                  |
| IBC packing instructions (IMDG)    | : IBC03                                                |
| Tank instructions (IMDG)           | : T2                                                   |
| Tank special provisions (IMDG)     | : TP1, TP29                                            |
| EmS-No. (Fire)                     | : F-E                                                  |
| EmS-No. (Spillage)                 | : S-E                                                  |
| Stowage category (IMDG)            | : A                                                    |
| Properties and observations (IMDG) | : Miscibility with water depends upon the composition. |

#### Air transport

|                                              |        |
|----------------------------------------------|--------|
| PCA Excepted quantities (IATA)               | : E1   |
| PCA Limited quantities (IATA)                | : Y344 |
| PCA limited quantity max net quantity (IATA) | : 10L  |
| PCA packing instructions (IATA)              | : 355  |

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|                                 |                 |
|---------------------------------|-----------------|
| PCA max net quantity (IATA)     | : 60L           |
| CAO packing instructions (IATA) | : 366           |
| CAO max net quantity (IATA)     | : 220L          |
| Special provisions (IATA)       | : A3, A72, A192 |
| ERG code (IATA)                 | : 3L            |

### Inland waterway transport

|                                   |                 |
|-----------------------------------|-----------------|
| Classification code (ADN)         | : F1            |
| Special provisions (ADN)          | : 163, 367, 650 |
| Limited quantities (ADN)          | : 5 L           |
| Excepted quantities (ADN)         | : E1            |
| Equipment required (ADN)          | : PP, EX, A     |
| Ventilation (ADN)                 | : VE01          |
| Number of blue cones/lights (ADN) | : 0             |

### Rail transport

|                                                           |                           |
|-----------------------------------------------------------|---------------------------|
| Classification code (RID)                                 | : F1                      |
| Special provisions (RID)                                  | : 163, 367, 650           |
| Limited quantities (RID)                                  | : 5L                      |
| Excepted quantities (RID)                                 | : E1                      |
| Packing instructions (RID)                                | : P001, IBC03, LP01, R001 |
| Special packing provisions (RID)                          | : PP1                     |
| Mixed packing provisions (RID)                            | : MP19                    |
| Portable tank and bulk container instructions (RID)       | : T2                      |
| Portable tank and bulk container special provisions (RID) | : TP1, TP29               |
| Tank codes for RID tanks (RID)                            | : LGBF                    |
| Transport category (RID)                                  | : 3                       |
| Special provisions for carriage – Packages (RID)          | : W12                     |
| Colis express (express parcels) (RID)                     | : CE4                     |
| Hazard identification number (RID)                        | : 30                      |

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

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)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### 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 : 536 g/l

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### 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 |
|                       | Supersedes version of                                           | Modified |          |
|                       | Revision date                                                   | Modified |          |
| 2.1                   | Adverse physicochemical, human health and environmental effects | Modified |          |
| 3                     | Composition/information on ingredients                          | Modified |          |
| 4.1                   | First-aid measures after skin contact                           | Modified |          |
| 4.1                   | First-aid measures after eye contact                            | Modified |          |
| 4.1                   | First-aid measures after ingestion                              | Modified |          |
| 4.1                   | First-aid measures general                                      | Modified |          |
| 4.2                   | Symptoms/effects after skin contact                             | Added    |          |
| 6.1                   | Emergency procedures                                            | Modified |          |
| 7.1                   | Precautions for safe handling                                   | Modified |          |
| 7.1                   | Hygiene measures                                                | Modified |          |
| 16                    | Abbreviations and acronyms                                      | 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                                                                         |
| 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                                                                               |

# Danish Oil

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### Abbreviations and acronyms:

|         |                                                                              |
|---------|------------------------------------------------------------------------------|
| 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 3 | Hazardous to the aquatic environment – Chronic Hazard, Category 3      |
| Asp. Tox. 1       | Aspiration hazard, Category 1                                          |
| Eye Irrit. 2      | Serious eye damage/eye irritation, Category 2                          |
| Flam. Liq. 3      | Flammable liquids, Category 3                                          |
| H226              | Flammable liquid and vapour.                                           |
| H304              | May be fatal if swallowed and enters airways.                          |
| H319              | Causes serious eye irritation.                                         |
| H336              | May cause drowsiness or dizziness.                                     |
| H412              | Harmful to aquatic life with long lasting effects.                     |
| STOT SE 3         | Specific target organ toxicity – Single exposure, Category 3, Narcosis |

The classification complies with : ATP 12

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.