



# Fork Oil

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Issue date: 3-12-2020 Revision date: 3-12-2021 Supersedes: 17-2-2012 version: 3.0

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

#### 1.1. Product identifier

Product name : Fork Oil  
Product code : 2401  
Product group : Blend

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
Industrial/Professional use spec : Used in closed systems  
Non-dispersive use  
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

Hyperpro Sales B.V.  
Hulsenboschstraat 26  
4251 LR Werkendam Holland  
T +31(0) 183678867  
[info@hyperpro.com](mailto:info@hyperpro.com)

#### 1.4. Emergency telephone number

Emergency number : +31 (0) 183678867 (08.00 - 17.00 GMT+1)

| Country        | Official advisory body                                                                           | Address                                     | Emergency number | Comment |
|----------------|--------------------------------------------------------------------------------------------------|---------------------------------------------|------------------|---------|
| Ireland        | National Poisons Information Centre<br>Beaumont Hospital                                         | Beaumont Hospital Beaumont Road<br>9 Dublin | : +353 1 8379964 |         |
| United Kingdom | Guy's & St Thomas' Poisons Unit<br>Medical Toxicology Unit,<br>Guy's & St Thomas' Hospital Trust | Avonley Road<br>SE14 5ER London             | +44 20 7188 7188 |         |

### SECTION 2: Hazards identification

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

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

Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

Full text of H statements : see section 16

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

No additional information available

#### 2.2. Label elements

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

CLP Signal word : -  
Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.  
Precautionary statements (CLP) : P273 - Avoid release to the environment.  
P501 - Dispose of contents and container to an approved waste disposal plant.

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Comments : Highly refined mineral oil, contains <3% (w / w) DMSO extract, according to IP346

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| Name                                                                           | Product identifier                                                                                       | %          | Classification according to Regulation (EC) No. 1272/2008 [CLP]               |
|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------|
| Distillates (petroleum), hydrotreated light naphthenic                         | (CAS-No.) 64742-53-6<br>(EC-No.) 265-156-6<br>(EC Index-No.) 649-466-00-2<br>(REACH-no) 01-2119480375-34 | 10 – 24    | Asp. Tox. 1, H304                                                             |
| Distillates (petroleum), hydrotreated light paraffinic, Baseoil - unspecified. | (CAS-No.) 64742-55-8<br>(EC-No.) 265-158-7<br>(EC Index-No.) 649-468-00-3<br>(REACH-no) 01-2119487077-29 | 10 – 24    | Asp. Tox. 1, H304                                                             |
| zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)                           | (CAS-No.) 4259-15-8<br>(EC-No.) 224-235-5<br>(REACH-no) 01-2119493635-27                                 | 0.1 – 0,99 | Eye Dam. 1, H318<br>Aquatic Chronic 2, H411 (M=0)                             |
| Alkylphenol                                                                    | (CAS-No.) 128-39-2<br>(EC-No.) 204-884-0<br>(REACH-no) 01-2119490822-33                                  | 0,1 – 0,99 | Skin Irrit. 2, H315<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 (M=0) |

### Specific concentration limits:

| Name                                                 | Product identifier                                                       | Specific concentration limits                                      |
|------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------|
| zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) | (CAS-No.) 4259-15-8<br>(EC-No.) 224-235-5<br>(REACH-no) 01-2119493635-27 | ( 1 ≤C < 50) Eye Irrit. 2, H319<br>( 50 ≤C < 100) Eye Dam. 1, H318 |

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                    |                                                                                               |
|--------------------|-----------------------------------------------------------------------------------------------|
| After inhalation   | : Not required.                                                                               |
| After skin contact | : Gently wash with plenty of soap and water.                                                  |
| After eye contact  | : In case of eye contact, immediately rinse with clean water for 10-15 minutes.               |
| After ingestion    | : Do not induce vomiting. Rinse mouth out with water. Get immediate medical advice/attention. |

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

|                    |                                                                                                        |
|--------------------|--------------------------------------------------------------------------------------------------------|
| After inhalation   | : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.  |
| After skin contact | : Not expected to present a significant skin hazard under anticipated conditions of normal use.        |
| After eye contact  | : Not expected to present a significant eye contact hazard under anticipated conditions of normal use. |
| After ingestion    | : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.   |

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

No additional information available.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |                                                   |
|--------------------------------|---------------------------------------------------|
| Suitable extinguishing media   | : water spray, powder, foam and CO <sub>2</sub> . |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                |

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

|             |                                                                                                                       |
|-------------|-----------------------------------------------------------------------------------------------------------------------|
| Fire hazard | : Although this substance has flammability data, it is difficult to ignite in air and is classified as non-flammable. |
|-------------|-----------------------------------------------------------------------------------------------------------------------|

### 5.3. Advice for firefighters

|                                |                                                                                                 |
|--------------------------------|-------------------------------------------------------------------------------------------------|
| Precautionary measures fire    | : Exercise caution when fighting any chemical fire.                                             |
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers.                                        |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. |

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Protective equipment | : Wear suitable protective clothing and gloves. |
|----------------------|-------------------------------------------------|

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### 6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing and gloves.

### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.

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

For containment : Contain large spillage with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Take up liquid spill into inert absorbent material. Clean with the help of detergents.

Other information : If spilled, may cause the floor to be slippery.

### 6.4. Reference to other sections

No additional information available.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually required.

Handling temperature : < 40 °C

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. 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 temperature : < 40 °C

Storage area : Store according to local legislation. Keep in a cool, well-ventilated place. Store in a dry place.

### 7.3. Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Additional information : Based on ACGIH TLV, a concentration of 5 mg/m<sup>3</sup> oilspray (TWA, 8 hour workday) is recommended.

### 8.2. Exposure controls

#### Personal protective equipment:

Gloves. Safety glasses.

#### Hand protection:

| Type            | Material                                      | Permeation        | Thickness (mm) | Penetration | Standard |
|-----------------|-----------------------------------------------|-------------------|----------------|-------------|----------|
| Reusable gloves | Nitrile rubber (NBR), Polyvinylchloride (PVC) | 6 (> 480 minutes) | >0.35          |             |          |

#### Eye protection:

Safety goggles

#### Skin and body protection:

No special clothing/skin protection equipment is recommended under normal conditions of use

#### Respiratory protection:

In case of inadequate ventilation wear respiratory protection. No respiratory protection needed under normal use conditions

#### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

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

Physical state : Liquid

Appearance : Oily.

Colour : Yellow.

Odour : characteristic.

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|                                            |                                                               |
|--------------------------------------------|---------------------------------------------------------------|
| Odour threshold                            | : No data available                                           |
| pH                                         | : No data available                                           |
| Relative evaporation rate (butylacetate=1) | : No data available                                           |
| Melting point                              | : No data available                                           |
| Freezing point                             | : No data available                                           |
| Boiling point                              | : No data available                                           |
| Flash point                                | : > 200 °C @ ASTM D92                                         |
| Auto-ignition temperature                  | : No data available                                           |
| Decomposition temperature                  | : No data available                                           |
| Flammability (solid, gas)                  | : No data available                                           |
| Vapour pressure                            | : No data available                                           |
| Relative vapour density at 20 °C           | : No data available                                           |
| Relative density                           | : No data available                                           |
| Density                                    | : 855 g/l @ 15°C                                              |
| Solubility                                 | : Slightly soluble, the product remains on the water surface. |
| Log Pow                                    | : No data available                                           |
| Viscosity, kinematic                       | : 46 mm <sup>2</sup> /s @ 100°C                               |
| Viscosity, dynamic                         | : No data available                                           |
| Explosive properties                       | : No data available                                           |
| Oxidising properties                       | : No data available                                           |
| Explosive limits                           | : No data available                                           |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None under normal conditions.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No data available.

### 10.5. Incompatible materials

Oxidizing agent. acids and 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 |

#### Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)

|                 |              |
|-----------------|--------------|
| LD50 oral rat   | > 2000 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |

#### Alkylphenol (128-39-2)

|               |                                  |
|---------------|----------------------------------|
| LD50 oral rat | > 5000 mg/kg bodyweight OECD 401 |
|---------------|----------------------------------|

#### zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)

|                    |              |
|--------------------|--------------|
| LD50 oral rat      | 3100 mg/kg   |
| LD50 dermal rabbit | > 5000 mg/kg |

#### Distillates (petroleum), hydrotreated light paraffinic, Baseoil - unspecified. (64742-55-8)

|               |                 |
|---------------|-----------------|
| LD50 oral rat | > 5000 kilogram |
|---------------|-----------------|

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|                                   |                  |
|-----------------------------------|------------------|
| LD50 dermal rabbit                | > 2000 mg/kg     |
| LC50 Inhalation - Rat (Dust/Mist) | 5,53 mg/l/4h     |
| 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 |

### Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)

|                                     |                                                                                                                                   |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| LOAEL (oral, rat, 90 days)          | 125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |
| NOAEL (dermal, rat/rabbit, 90 days) | ≈ 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)            |

### Alkylphenol (128-39-2)

|                            |                      |
|----------------------------|----------------------|
| NOAEL (oral, rat, 90 days) | 100 mg/kg bodyweight |
|----------------------------|----------------------|

### zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)

|                            |                               |
|----------------------------|-------------------------------|
| NOAEL (oral, rat, 90 days) | 125 mg/kg bodyweight OECD 407 |
|----------------------------|-------------------------------|

Aspiration hazard : Not classified

### Fork Oil

|                      |                  |
|----------------------|------------------|
| Viscosity, kinematic | 46 mm²/s @ 100°C |
|----------------------|------------------|

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

### Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)

|                |                    |
|----------------|--------------------|
| EC50 Daphnia 1 | > 1000 g/l Daphnia |
|----------------|--------------------|

### Alkylphenol (128-39-2)

|                    |                                          |
|--------------------|------------------------------------------|
| LC50 fish 1        | 1,4 mg/l Pimephales promelas             |
| EC50 72h algae (1) | 3,6 mg/l Pseudokirchneriella subcapitata |
| EC50 72h algae (2) | 1,4 mg/l Pseudokirchneriella subcapitata |
| EC50 96h algae (1) | 3,9 mg/l Pseudokirchneriella subcapitata |
| EC50 96h algae (2) | 1,2 mg/l Pseudokirchneriella subcapitata |
| LOEC (chronic)     | 0,086 mg/l Daphnia magna @21d            |
| NOEC (chronic)     | 0,035 mg/l Daphnia magna @21d            |

### zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)

|                                |                                                    |
|--------------------------------|----------------------------------------------------|
| LC50 fish 1                    | 10 – 35 mg/l 96h Pimephales promelas (semi static) |
| LC50 fish 2                    | 1 – 5 ppm Pimephales promelas (static)             |
| EC50 Daphnia 1                 | 1 – 1,5 mg/l Daphnia magna, 48h                    |
| EC50 other aquatic organisms 1 | 1 – 5 mg/l 96h Pseudokirchneriella subcapitata     |

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### Distillates (petroleum), hydrotreated light paraffinic, Baseoil - unspecified. (64742-55-8)

|                                |                |
|--------------------------------|----------------|
| LC50 fish 1                    | > 100 mg/l 96h |
| LC50 other aquatic organisms 1 | > 100 mg/l     |
| ErC50 (algae)                  | > 100 mg/l 48h |
| NOEC chronic fish              | 100 mg/l       |

### 12.2. Persistence and degradability

#### zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)

|                               |                                                   |
|-------------------------------|---------------------------------------------------|
| Persistence and degradability | Under test conditions no biodegradation observed. |
|-------------------------------|---------------------------------------------------|

### Distillates (petroleum), hydrotreated light paraffinic, Baseoil - unspecified. (64742-55-8)

|                               |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

### 12.3. Bioaccumulative potential

#### Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)

|         |     |
|---------|-----|
| Log Kow | > 3 |
|---------|-----|

#### zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)

|                           |                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------|
| Log Kow                   | 3,59                                                                                |
| Bioaccumulative potential | Low bioaccumulation potential. The substance has low potential for bioaccumulation. |

### Distillates (petroleum), hydrotreated light paraffinic, Baseoil - unspecified. (64742-55-8)

|                           |                    |
|---------------------------|--------------------|
| Log Pow                   | > 3                |
| Bioaccumulative potential | No data available. |

### 12.4. Mobility in soil

#### zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)

|      |                    |
|------|--------------------|
| Soil | No data available. |
|------|--------------------|

### 12.5. Results of PBT and vPvB assessment

#### Component

|                                                                  |                                                                                                                                                                                 |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8) | 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. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Additional information : This material and its container must be disposed of in a safe way, and as per local legislation.

## SECTION 14: Transport information

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

| ADR                                     | IMDG           |
|-----------------------------------------|----------------|
| <b>14.1. UN number</b>                  |                |
| Not applicable                          | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |
| Not applicable                          | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |
| Not applicable                          | Not applicable |
| <b>14.4. Packing group</b>              |                |
| Not applicable                          | Not applicable |

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### 14.5. Environmental hazards

|                                    |                                                             |
|------------------------------------|-------------------------------------------------------------|
| Dangerous for the environment : No | Dangerous for the environment : No<br>Marine pollutant : No |
|------------------------------------|-------------------------------------------------------------|

No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

No data available

#### Transport by sea

No data available

### 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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

| Full text of H- and EUH-statements: |                                                                   |
|-------------------------------------|-------------------------------------------------------------------|
| Aquatic Acute 1                     | Hazardous to the aquatic environment — Acute Hazard, Category 1   |
| Aquatic Chronic 1                   | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Aquatic Chronic 2                   | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Aquatic Chronic 3                   | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Asp. Tox. 1                         | Aspiration hazard, Category 1                                     |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1                     |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                     |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                             |
| H304                                | May be fatal if swallowed and enters airways.                     |
| H315                                | Causes skin irritation.                                           |
| H318                                | Causes serious eye damage.                                        |
| H319                                | Causes serious eye irritation.                                    |
| H400                                | Very toxic to aquatic life.                                       |
| H410                                | Very toxic to aquatic life with long lasting effects.             |
| H411                                | Toxic to aquatic life with long lasting effects.                  |
| H412                                | Harmful to aquatic life with long lasting effects.                |

SDS

*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.*