

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : ORLEN OIL Hipol 15F  
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 : Professional use, Consumer use  
Use of the substance/mixture : gear oil

##### 1.2.2. Uses advised against

No additional information available

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

ORLEN OIL Sp. z o.o.  
ul. Elbląska 135  
80-718 Gdańsk  
T +48 12 66 555 00 / +48 12 66 555 01

[centrala@orlenoil.pl](mailto:centrala@orlenoil.pl)

E-mail address of competent person responsible for the SDS : [msds@orlenoil.pl](mailto:msds@orlenoil.pl)

#### 1.4. Emergency telephone number

Emergency number : Emergency contact + 48 242010367, +48 242869509, +48242869556 (7:00-15:00)  
Emergency number 112

| Country | Organisation/Company                                     | Address                                  | Emergency number   | Comment |
|---------|--|--|--|---------|
| Ireland | National Poisons Information Centre<br>Beaumont Hospital | PO Box 1297<br>Beaumont Road<br>9 Dublin | +353 1 809 2566<br>(Healthcare professionals-<br>24/7)<br>+353 1 809 2166 (public,<br>8am - 10pm, 7/7) |         |

### 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 and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH 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 substance(s) are 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 %

# ORLEN OIL Hipol 15F

## Safety Data Sheet

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

### 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] |
|---|---|---------|---|
| Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; substance with national workplace exposure limit(s) (CZ, PL, SK)  | 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  | ≤ 65    | Not classified  |
| Lubricating oils (petroleum), C>25, solvent-extd., deasphalted, dewaxed, hydrogenated; Baseoil— unspecified substance with national workplace exposure limit(s) (CZ, PL, SK) (Note L) | CAS-No.: 101316-69-2<br>EC-No.: 309-874-0<br>EC Index-No.: 649-527-00-3<br>REACH-no: 01-2119486948-13 | 32      | Not classified  |
| Polysulfides, di-tert-Bu  | CAS-No.: 68937-96-2<br>EC-No.: 273-103-3<br>REACH-no: 01-2119540515-43                                | 1.5 – 3 | Skin Sens. 1B, H317<br>Aquatic Chronic 3, H412                  |

#### Specific concentration limits:

| Name                     | Product identifier   | Specific concentration limits      |
|--------------------------|--|------------------------------------|
| Polysulfides, di-tert-Bu | CAS-No.: 68937-96-2<br>EC-No.: 273-103-3<br>REACH-no: 01-2119540515-43 | (46 ≤ C < 100) Skin Sens. 1B, H317 |

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.           |

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

No additional information available

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

Treat symptomatically.

# ORLEN OIL Hipol 15F

## Safety Data Sheet

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

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Dry chemical, CO<sub>2</sub>, or water spray or regular foam.  
Unsuitable extinguishing media : Strong water jet.

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

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.

##### 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 : Ensure good ventilation of the work station. Wear personal protective equipment.  
Hygiene measures : 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

Storage conditions : Store in a well-ventilated place. Keep cool.  
Storage temperature : -20 – 40 °C  
Storage class (LGK, TRGS 510) : LGK 12 - Non-combustible liquids  
Joint storage table :

|          |         |          |          |           |
|----------|---------|----------|----------|-----------|
| LGK 1    | LGK 2A  | LGK 2B   | LGK 3    | LGK 4.1A  |
| LGK 4.1B | LGK 4.2 | LGK 4.3  | LGK 5.1A | LGK 5.1B  |
| LGK 5.1C | LGK 5.2 | LGK 6.1A | LGK 6.1B | LGK 6.1C  |
| LGK 6.1D | LGK 6.2 | LGK 7    | LGK 8A   | LGK 8B    |
| LGK 10   | LGK 11  | LGK 12   | LGK 13   | LGK 10-13 |

Joint storage not permitted for : LGK 1, LGK 6.2, LGK 7  
Joint storage with restrictions permitted for : LGK 4.1A, LGK 4.3, LGK 5.1C

# ORLEN OIL Hipol 15F

## Safety Data Sheet

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

Joint storage permitted for : LGK 2A, LGK 2B, LGK 3, LGK 4.1B, LGK 4.2, LGK 5.1A, LGK 5.1B, LGK 5.2, LGK 6.1A, LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-13

### 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

| ORLEN OIL Hipol 15F   |   |
|---|---|
| <b>Czech Republic - Occupational Exposure Limits</b>  |   |
| Local name  | Oleje mineralní (Minerální oleje)   |
| PEL (OEL TWA)   | 5 mg/m <sup>3</sup> (aerosol)   |
| NPK-P (OEL C)   | 10 mg/m <sup>3</sup> (aerosol)  |
| Regulatory reference  | Nařízení vlády č. 361/2007 Sb. (Předpis 195/2021 Sb.)   |
| <b>Poland - Occupational Exposure Limits</b>  |   |
| Local name  | Oleje mineralne wysokorafinowane z wyłączeniem cieczy obróbkowych   |
| NDS (OEL TWA)   | 5 mg/m <sup>3</sup> frakcja wdychalna   |
| Remark  | Oleje mineralne wysokorafinowane to oleje z nieistotną zawartością WWA, które nie są sklasyfikowane jako rakotwórcze w UE. Frakcja wdychalna – frakcja aerozolu wnikająca przez nos i usta, która po zdeponowaniu w drogach oddechowych stwarza zagrożenie dla zdrowia. |
| Regulatory reference  | Dz. U. 2018 poz. 1286 wraz z późn. zm.  |
| <b>Slovakia - Occupational Exposure Limits</b>  |   |
| Local name  | Oleje mineralne   |
| NPHV (OEL TWA)  | 1 mg/m <sup>3</sup> kvapalný aerosól, dymy  |
|   | 5 ppm kvapalný aerosól, dymy  |
| NPHV (OEL STEL)   | 3 mg/m <sup>3</sup> kvapalný aerosól, dymy  |
|   | 15 ppm kvapalný aerosól, dymy   |
| Remark  | Limit sa vzťahuje na hydraulické a obrábacie kvapaliny a mazivá. Niektoré oleje môžu obsahovať polycyklické aromatické uhľovodíky a pri zahrievaní ich môžu uvoľňovať. Treba to brať do úvahy pri meraní a hodnotení rizika.  |
| Regulatory reference  | Nariadenie vlády č. 355/2006 Z. z. (236/2020 Z. z.)   |
| <b>Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; (64742-54-7)</b> |   |
| <b>Czech Republic - Occupational Exposure Limits</b>  |   |
| Local name  | Oleje mineralní (Minerální oleje)   |
| PEL (OEL TWA)   | 5 mg/m <sup>3</sup> (aerosol)   |
| NPK-P (OEL C)   | 10 mg/m <sup>3</sup> (aerosol)  |
| Regulatory reference  | Nařízení vlády č. 361/2007 Sb. (Předpis 195/2021 Sb.)   |
| <b>Poland - Occupational Exposure Limits</b>  |   |
| Local name  | Oleje mineralne wysokorafinowane z wyłączeniem cieczy obróbkowych   |
| NDS (OEL TWA)   | 5 mg/m <sup>3</sup> frakcja wdychalna   |

# ORLEN OIL Hipol 15F

## Safety Data Sheet

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

| <b>Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; (64742-54-7)</b>                                   |   |
|---|---|
| Remark  | Oleje mineralne wysokorafinowane to oleje z nieistotną zawartością WWA, które nie są sklasyfikowane jako rakotwórcze w UE. Frakcja wdychalna – frakcja aerozolu wnika przez nos i usta, która po zdeponowaniu w drogach oddechowych stwarza zagrożenie dla zdrowia. |
| Regulatory reference  | Dz. U. 2018 poz. 1286 wraz z późn. zm.  |
| <b>Slovakia - Occupational Exposure Limits</b>  |   |
| Local name  | Oleje minerálne   |
| NPHV (OEL TWA)  | 1 mg/m <sup>3</sup> kvapalný aerosól, dymy  |
|   | 5 ppm kvapalný aerosól, dymy  |
| NPHV (OEL STEL)   | 3 mg/m <sup>3</sup> kvapalný aerosól, dymy  |
|   | 15 ppm kvapalný aerosól, dymy   |
| Remark  | Limit sa vzťahuje na hydraulické a obrábacie kvapaliny a mazivá. Niektoré oleje môžu obsahovať polycyklické aromatické uhľovodíky a pri zahrievaní ich môžu uvoľňovať. Treba to brať do úvahy pri meraní a hodnotení rizika.  |
| Regulatory reference  | Nariadenie vlády č. 355/2006 Z. z. (236/2020 Z. z.)   |
| <b>Lubricating oils (petroleum), C&gt;25, solvent-extd., deasphalted, dewaxed, hydrogenated; Baseoil— unspecified (101316-69-2)</b> |   |
| <b>Czech Republic - Occupational Exposure Limits</b>  |   |
| Local name  | Oleje minerální (Minerální oleje)   |
| PEL (OEL TWA)   | 5 mg/m <sup>3</sup> (aerosol)   |
| NPK-P (OEL C)   | 10 mg/m <sup>3</sup> (aerosol)  |
| Regulatory reference  | Nařízení vlády č. 361/2007 Sb. (Předpis 195/2021 Sb.)   |
| <b>Poland - Occupational Exposure Limits</b>  |   |
| Local name  | Oleje mineralne wysokorafinowane z wyłączeniem cieczy obróbkowych   |
| NDS (OEL TWA)   | 5 mg/m <sup>3</sup> frakcja wdychalna   |
| Remark  | Oleje mineralne wysokorafinowane to oleje z nieistotną zawartością WWA, które nie są sklasyfikowane jako rakotwórcze w UE. Frakcja wdychalna – frakcja aerozolu wnika przez nos i usta, która po zdeponowaniu w drogach oddechowych stwarza zagrożenie dla zdrowia. |
| Regulatory reference  | Dz. U. 2018 poz. 1286 wraz z późn. zm.  |
| <b>Slovakia - Occupational Exposure Limits</b>  |   |
| Local name  | Oleje minerálne   |
| NPHV (OEL TWA)  | 1 mg/m <sup>3</sup> kvapalný aerosól, dymy  |
|   | 5 ppm kvapalný aerosól, dymy  |
| NPHV (OEL STEL)   | 3 mg/m <sup>3</sup> kvapalný aerosól, dymy  |
|   | 15 ppm kvapalný aerosól, dymy   |
| Remark  | Limit sa vzťahuje na hydraulické a obrábacie kvapaliny a mazivá. Niektoré oleje môžu obsahovať polycyklické aromatické uhľovodíky a pri zahrievaní ich môžu uvoľňovať. Treba to brať do úvahy pri meraní a hodnotení rizika.  |
| Regulatory reference  | Nariadenie vlády č. 355/2006 Z. z. (236/2020 Z. z.)   |

### 8.1.2. Recommended monitoring procedures

No additional information available

# ORLEN OIL Hipol 15F

## Safety Data Sheet

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

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

| <b>Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; (64742-54-7)</b>                                   |                                |
|---|--------------------------------|
| <b>DNEL/DMEL (Workers)</b>  |                                |
| Long-term - local effects, inhalation   | 5.4 mg/m <sup>3</sup> 8 hours  |
| <b>DNEL/DMEL (General population)</b>   |                                |
| Long-term - local effects, inhalation   | 1.2 mg/m <sup>3</sup> 24 hours |
| <b>PNEC (Oral)</b>  |                                |
| PNEC oral (secondary poisoning)   | 9.33 mg/kg food mammalian      |
| <b>Polysulfides, di-tert-Bu (68937-96-2)</b>  |                                |
| <b>DNEL/DMEL (Workers)</b>  |                                |
| Long-term - systemic effects, dermal  | 4.67 mg/kg bodyweight/day      |
| Long-term - systemic effects, inhalation  | 3.29 mg/m <sup>3</sup>         |
| <b>DNEL/DMEL (General population)</b>   |                                |
| Long-term - systemic effects,oral   | 0.167 mg/kg bodyweight/day     |
| Long-term - systemic effects, inhalation  | 0.58 mg/m <sup>3</sup>         |
| Long-term - systemic effects, dermal  | 1.67 mg/kg bodyweight/day      |
| <b>PNEC (Water)</b>   |                                |
| PNEC aqua (freshwater)  | 0.24 µg/l                      |
| PNEC aqua (marine water)  | 0.024 µg/l                     |
| PNEC aqua (intermittent, freshwater)  | 0.0024 mg/l                    |
| <b>PNEC (Sediment)</b>  |                                |
| PNEC sediment (freshwater)  | 0.94 mg/kg dwt                 |
| PNEC sediment (marine water)  | 0.094 mg/kg dwt                |
| <b>PNEC (Soil)</b>  |                                |
| PNEC soil   | 18.1 µg/kg dw                  |
| <b>PNEC (Oral)</b>  |                                |
| PNEC oral (secondary poisoning)   | 6.66 mg/kg food                |
| <b>PNEC (STP)</b>   |                                |
| PNEC sewage treatment plant   | 4.51 mg/l                      |
| <b>Lubricating oils (petroleum), C&gt;25, solvent-extd., deasphalted, dewaxed, hydrogenated; Baseoil— unspecified (101316-69-2)</b> |                                |
| <b>DNEL/DMEL (Workers)</b>  |                                |
| Long-term - systemic effects, dermal  | 0.97 mg/kg bodyweight/day      |
| Long-term - systemic effects, inhalation  | 2.73 mg/m <sup>3</sup>         |
| Long-term - local effects, inhalation   | 5.58 mg/m <sup>3</sup>         |
| <b>DNEL/DMEL (General population)</b>   |                                |
| Long-term - systemic effects,oral   | 0.74 mg/kg bodyweight/day      |

# ORLEN OIL Hipol 15F

## Safety Data Sheet

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

Lubricating oils (petroleum), C>25, solvent-extd., deasphalted, dewaxed, hydrogenated; Baseoil— unspecified (101316-69-2)

### PNEC (Oral)

|                                 |                 |
|---------------------------------|-----------------|
| PNEC oral (secondary poisoning) | 9.33 mg/kg food |
|---------------------------------|-----------------|

#### 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

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Protective gloves

#### 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                    | : amber.                      |
| Odour                     | : characteristic.             |
| Odour threshold           | : Not available               |
| Melting point             | : Not applicable              |
| Freezing point            | : $\approx -27$ °C Pour point |
| Boiling point             | : Not available               |
| Flammability              | : Non flammable.              |
| Explosive limits          | : Not available               |
| Lower explosion limit     | : Not available               |
| Upper explosion limit     | : Not available               |
| Flash point               | : $> 200$ °C                  |
| Auto-ignition temperature | : Not available               |

# ORLEN OIL Hipol 15F

## Safety Data Sheet

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

|   |  |
|---|--|
| Decomposition temperature                       | : Not available                                |
| pH  | : Not available                                |
| Viscosity, kinematic                            | : $\approx 15 \text{ mm}^2/\text{s}$ 100°C     |
| Solubility                                      | : insoluble in water. Soluble in hydrocarbons. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                                |
| Vapour pressure                                 | : Not available                                |
| Vapour pressure at 50°C                         | : Not available                                |
| Density   | : 0.896 g/cm <sup>3</sup> 15°C                 |
| 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

No additional information available

## 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.

### 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

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

## 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; Baseoil— unspecified; (64742-54-7)

|                       |              |
|-----------------------|--------------|
| LD50 oral rat         | 5000 mg/kg   |
| LD50 dermal rabbit    | > 5000 mg/kg |
| LC50 Inhalation - Rat | > 5 mg/l     |



# ORLEN OIL Hipol 15F

## Safety Data Sheet

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

### Lubricating oils (petroleum), C>25, solvent-extd., deasphalted, dewaxed, hydrogenated; Baseoil— unspecified (101316-69-2)

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

### Polysulfides, di-tert-Bu (68937-96-2)

|                            |   |
|----------------------------|---|
| NOAEL (oral, rat, 90 days) | 100 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents), Guideline: EU Method B.7 (Repeated Dose (28 Days) Toxicity (Oral)) |
|----------------------------|---|

### Lubricating oils (petroleum), C>25, solvent-extd., deasphalted, dewaxed, hydrogenated; Baseoil— unspecified (101316-69-2)

|  |   |
|--|---|
| LOAEL (oral, rat, 90 days)                       | 125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| NOAEC (inhalation, rat, dust/mist/fume, 90 days) | > 0.98 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)                                 |

Aspiration hazard : Not classified (Kinematic viscosity at 40°C >20.5 mm<sup>2</sup>/s) (Kinematic viscosity at 40°C >20.5 mm<sup>2</sup>/s)

### ORLEN OIL Hipol 15F

|                      |                               |
|----------------------|-------------------------------|
| Viscosity, kinematic | ≈ 15 mm <sup>2</sup> /s 100°C |
|----------------------|-------------------------------|

### Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; (64742-54-7)

|                      |                                |
|----------------------|--------------------------------|
| Viscosity, kinematic | > 20.5 mm <sup>2</sup> /s 40°C |
|----------------------|--------------------------------|

### Lubricating oils (petroleum), C>25, solvent-extd., deasphalted, dewaxed, hydrogenated; Baseoil— unspecified (101316-69-2)

|                      |                           |
|----------------------|---------------------------|
| Viscosity, kinematic | > 20.5 mm <sup>2</sup> /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; Baseoil— unspecified; (64742-54-7)

|                        |   |
|------------------------|---|
| NOEC chronic fish      | > 1000 mg/l Oncorhynchus mykiss (Rainbow trout) 28 days |
| NOEC chronic crustacea | 100 mg/l Daphnia magna (Water flea) 21 days             |

# ORLEN OIL Hipol 15F

## Safety Data Sheet

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

### Polysulfides, di-tert-Bu (68937-96-2)

EC50 72h - Algae [1]

0.838 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

### 12.2. Persistence and degradability

#### Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; (64742-54-7)

Biodegradation

31.13 % 21 days

### 12.3. Bioaccumulative potential

#### Polysulfides, di-tert-Bu (68937-96-2)

Partition coefficient n-octanol/water (Log Kow)

6

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 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 : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

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

### 14.1. UN number or ID number

UN-No. (ADR) : Not applicable  
UN-No. (IMDG) : Not applicable  
UN-No. (IATA) : Not applicable  
UN-No. (ADN) : Not applicable  
UN-No. (RID) : Not applicable

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable  
Proper Shipping Name (IMDG) : Not applicable  
Proper Shipping Name (IATA) : Not applicable  
Proper Shipping Name (ADN) : Not applicable  
Proper Shipping Name (RID) : Not applicable

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : Not applicable

# ORLEN OIL Hipol 15F

## Safety Data Sheet

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

### IMDG

Transport hazard class(es) (IMDG) : Not applicable

### IATA

Transport hazard class(es) (IATA) : Not applicable

### ADN

Transport hazard class(es) (ADN) : Not applicable

### RID

Transport hazard class(es) (RID) : Not applicable

## 14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

## 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

## 14.6. Special precautions for user

### Overland transport

Not applicable

### Transport by sea

Not applicable

### Air transport

Not applicable

### Inland waterway transport

Not applicable

### Rail transport

Not applicable

## 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)

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

# ORLEN OIL Hipol 15F

## Safety Data Sheet

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

---

### **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)

### **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**

### **Austria**

Austrian National Regulations

: Ordinance of the Federal Minister for Economic Affairs, the Federal Minister for Public Economy and Transport, the Federal Minister for Health, Sport and Consumer Protection and the Federal Minister for Labor and Social Affairs on the storage and filling of flammable liquids (Ordinance on Flammable Liquids - VbF).  
Ordinance of the Federal Minister for Agriculture, Forestry, Environment and Water Management on the authorization to purchase poisons, the obligation to record and on special protective measures when dealing with poisons (Poison Ordinance 2000).

### **Belgium**

Belgian National Regulations

: Subject to Biocides closed circuit.

### **Bulgaria**

Bulgarian National Regulations

: Law of protection from the harmful impact of the chemical substances and mixtures.  
Waste management law.  
Ordinance on the conditions and manner for storage of hazardous chemical substances and mixtures.  
Ordinance on the requirements for the treatment and transportation of waste oils and oil products.  
Ordinance on prevention of major accidents involving dangerous substances and limitation their consequences.  
Ordinance No 10 on protection of workers from risks involving exposure to carcinogens and mutagens during work.  
Ordinance No 13 on protection of workers from the risks related to exposure to chemical agents at work.  
Ordinance No.3 on the minimum requirements for the workers' safety and health protection in using personal protection means at the workplace.  
Ordinance No. 6 on the terms and conditions for granting permission for work of persons under 18 years of age.  
Ordinance No. RD-07-4 on improvement of the working conditions of pregnant workers and workers have recently given birth or nursing mothers.  
Health and Safety at Work Act.  
Environmental Protection Act.

### **Croatia**

Croatian National Regulations

: Chemicals Act, Regulation on classification, labelling and packaging of chemicals, Regulations on dangerous substances.  
Waste Act, Waste types regulations, Packaging Waste Regulation, Dangerous. exposure limits on the workplace and biological exposure limits, Regulation (EC) no. 1907/2006. Traffic Safety Act.  
Waste Regulation.

# ORLEN OIL Hipol 15F

## Safety Data Sheet

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

---

### Czech Republic

Czech National Regulations : Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals.  
Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).  
Government Regulation no. 330/2023 Coll, amending Regulation no. 361/2007 Coll, governing the conditions of Health Protection at Work, as amended.  
Act no. 111/1994 Coll, on road transport and Decree no. 64/1987 Coll, on European Agreement concerning the International Carriage of Dangerous Goods (ADR), as amended, and related regulations.  
Act no. 541/2020 Coll, on waste and amendment of some other acts, as amended.  
Act no. 258/2000 Coll, on Public Health Care.  
Act no. 350/2011 Coll. on chemical substances and mixtures and amendment of some other acts (Chemical Act).

### Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG).  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Not classified according to Regulation Governing Systems for Handling Substances Hazardous to Waters (AwSV)).

Hazardous Incident Ordinance (12. BImSchV) : Is not subject to the Hazardous Incident Ordinance (12. BImSchV)

### Hungary

Hungarian National Regulations : 25/2000. (IX.30.) Joint Provision of the Ministry of Health and Social and Family Affairs on the Occupational Safety in Chemistry.  
26/2000 (IX.30) Provision of the Ministry of Health on the occupational safety measures against carcinogenic substances and the prevention of health impairments caused by them.  
Act CLXXXV of 2012 on waste.  
Act XXV. of 2000 on the Safety in Chemistry, 44/2000. (XII. 27.) Provision of the Ministry of Health on detailed rules of procedures and activities related to hazardous substances and preparations.

### Latvia

Latvian National Regulations : Cabinet Regulation No. 302, adopted 19 April 2011 "Regulations Regarding Waste Classification and Properties Rendering Waste Hazardous".  
Cabinet Regulation No. 325, adopted 15 May 2007 "Labour Protection Requirements when Coming in Contact with Chemical Substances at Workplaces".  
Cabinet Regulation No. 628, adopted 27 August 2013 "Requirements in Relation to Activities with Biocidal Products".  
Cabinet Regulation No. 494, adopted 7 August 2018 "Waste shipment accounting procedures".  
Cabinet Regulation No. 795, adopted 22 December 2015 "Procedures for Registration of Chemical Substances and Mixtures and Their Database".

### Netherlands

ABM category : Not determined

### Norway

Norwegian National Regulations : People who handle isocyanate-based products need to receive instructions on the characteristics of the compound and be familiar with the working methods which need to be adopted to avoid health hazards.  
People under the age of 18 may not work with this product at all.  
People who have chronic respiratory disorders should not work with isocyanate-based products.  
This training must be provided by a qualified staff.  
Only people with former education or training on the subject may be allowed to work with isocyanate-based products, manage or monitor such work.  
The user needs to be instructed on how to execute such work, on the dangers surrounding such a product and on the necessary safety instructions.

# ORLEN OIL Hipol 15F

## Safety Data Sheet

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

---

### Sweden

Swedish National Regulations : This product is in compliance with Ordinance 1998:944.

### Poland

Polish National Regulations :

- The announcement of Minister of Health dated 9 September 2016 concerning the consolidated text announcement of the decree of the Minister of Health of 30 December 2004 on health and safety at work related to exposure to chemical agents at work (J. o L. of 16 September 2016, item 1488).
- The announcement of Marshal of the Sejm of the Republic of Poland dated 19 October 2016 concerning the consolidated text announcement of the decree on the management of packaging and packaging waste (J. o L. 2016, item 1863 as amended).
- Regulation of the Minister of Economy of 21 December 2005 on the essential requirements for personal protective equipment (J. o L. No. 259, item 2173).
- Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the highest permissible concentration and intensity of noxious agents for health at work environment (J. o L. item 1286 as amended).
- Regulation of the Minister of Health of 10 August 2012 on the criteria and classification method of chemical substances and their mixtures (consolidated text: J. o L. 2015, item 208).
- Regulation of the Minister of Health of 2 February 2011 on tests and measurements of the noxious agents for health at work environment (J. o L. No. 33, item 166 as amended).
- Regulation of the Minister of Health of 20 April 2012 on labelling of hazardous substances and hazardous mixtures and certain mixtures (consolidated text: J. o L. 2015, item 450).
- Regulation of the Minister of Environment of 3 September 2014 on designs of packaging labelling (J. o L. 2014 item 1298).
- Regulation of the Minister of Environment of 9 December 2003 on particularly hazardous substances to the environment (J. o L. No. 217, item 2141).
- Decree of the Minister of Environment of 14 December 2014 on the catalogue of waste (J. o L. 2014, item 1923).
- The ADR Agreement - Annex to the J. o L. of 26 April 2019 Government Statement of 18 February 2019 on the entry into force of the amendments to Annex A and B to the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), signed in Geneva on 30 September 1957 (J. o L. 2019, item 769).
- Act of 14 December 2012 on waste (J. o L. 2013, item 322 as amended; consolidated text J. o L. 2020, item 797).
- Act of 19 August 2011 on the Carriage of Dangerous Goods (J. o L. 2011 No. 227, item 1367 as amended; consolidated text J. o L. 2020, item 154).
- Act of 25 February 2011 on chemical substances and their mixtures (J. o L. No. 63, item 322 as amended; consolidated text J. o L. 2019, item 1225).

### Romania

Romanian National Regulations :

- Government Decision 1093 of 2006 on establishing the minimum safety and health requirements for the protection of workers against the risks related to exposure to carcinogenic agents or mutagens in the workplace.
- Government Decision no. 1408 regarding the classification, packaging and labeling for dangerous substances.
- Government Decision no. 398 of 2010 regarding the application of Regulation (EC) 1272/2008.
- Government Decision no. 477 of 2009 regarding the establishment of the sanctions applicable for the violation of the provisions of Regulation (EC) no. 1.907/2006.
- Government Decision no. 937 of 2010 regarding the classification, packaging and labeling of dangerous preparations.
- Government Emergency Ordinance no. 122 of 2010 regarding the establishment of the sanctions applicable for the violation of the provisions of Regulation (EC) no. 1272/2008.
- Law no. 263 of 2005 regarding the modification and completion of Law no. 360 of 2003 regarding the regime of dangerous chemical substances and preparations.
- Law no. 349 of 2007 regarding the management of chemical substances amended by Law no. 249/2011 and through GEO no. 60/2013.
- Law no. 360 of 2003 regarding the regime of dangerous substances and preparations, completed by Law no. 263 of 2005 and Law no. 254 of 2011.

# ORLEN OIL Hipol 15F

## Safety Data Sheet

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

### Slovenia

#### Slovenian National Regulations

- : Decision on the publishing of the Annexes A and B to the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR).
- Decree on waste management.
- Decree on packaging and packaging waste handling.
- Rules on the classification, packaging and labelling of dangerous preparations.
- Rules on the classification, packaging and labelling of dangerous substances.
- Rules on the protection of workers from the risks related to exposure to chemical substances at work.
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
- Chemicals Act (ZKem).

### Switzerland

#### Swiss National Regulations

- : Article 13 Order on the protection of maternity (RS 822.111.52):  
Pregnant women and breastfeeding mothers cannot come into contact with this product (this substance/this preparation) when working except where it has been established, on the basis of a risk analysis performed in accordance with Art. 63 OLT 1 (RS 822.111), that there is no concrete threat to the health of the mother or baby or that said threat can be excluded thanks to the suitable protection measures taken.
- Article 4, subparagraph 4 Order on the protection of young workers (OLT 5, RS 822.115) and Article 1, letter f Order of the DEFR on dangerous works for young workers (822.115.2):  
Young workers undergoing initial professional training cannot work with this product (this substance/this preparation) except where envisaged in the order of professional training to achieve the training purposes and if the training plan conditions and applicable age limits are respected. Young workers who do not undergo initial professional training cannot work with this product (this substance/this preparation). Workers of either sex aged under 18 years old are considered as young.
- Observe the Chemical Risk Reduction Ordinance (SR 814.81).

#### Storage class (LK)

- : LK 10/12 - Liquids

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| 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   |

# ORLEN OIL Hipol 15F

## Safety Data Sheet

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

| Abbreviations and acronyms: |  |
|-----------------------------|--|
| 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 3                   | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| EUH210                              | Safety data sheet available on request.                           |
| H317                                | May cause an allergic skin reaction.                              |
| H412                                | Harmful to aquatic life with long lasting effects.                |
| Skin Sens. 1B                       | Skin sensitisation, category 1B                                   |

The classification complies with : ATP 12

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.