

This safety data sheet was created pursuant to the requirements of:  
UK REACH Regulations (SI 2019/758 as amended)

Revision date 28-Oct-2025

Revision Number 1

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

### 1.1. Product identifier

**Product Code(s)** 127299  
**Safety data sheet number** 127299  
**Product Name** PETRONAS URANIA PRIME LONG DRAIN 10W 40  
**Pure substance/mixture** Mixture

Contains CALCIUM ALKARYL SULPHONATE

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

**Recommended use** Engine oil

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

#### **Supplier**

Univar Solutions UK Ltd  
Aquarius House  
6 Mid Point Business Park  
Bradford  
GBR

For further information, please contact

**E-mail address** SDS.EMEA@univarsolutions.com  
**Non-Emergency Telephone Number** +44 1274 267300 / +44 1274 267306

### 1.4. Emergency telephone number

**Emergency Telephone** SGS - +32 (0)3 575 55 55 (24h)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

|                           |                     |
|---------------------------|---------------------|
| <b>Skin sensitisation</b> | Category 1 - (H317) |
|---------------------------|---------------------|

### 2.2. Label elements

Contains CALCIUM ALKARYL SULPHONATE



**Signal word**

Warning

**Hazard statements**

H317 - May cause an allergic skin reaction

EUH208 - May produce an allergic reaction.

**Precautionary statements**

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray

P280 - Wear protective gloves

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

P362 + P364 - Take off contaminated clothing and wash it before reuse

P501 - Dispose of contents/ container to an approved waste disposal plant

**Unknown aquatic toxicity**

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients**

**3.1 Substances**

Not applicable

**3.2 Mixtures**

| Chemical name                                                        | Weight-% | EC No (EU Index No)      | UK REACH registration number | Classification according to GB CLP (SI 2020/1567 as amended) | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) |
|----------------------------------------------------------------------|----------|--------------------------|------------------------------|--------------------------------------------------------------|------------------------------------|----------|----------------------|
| DISTILLATES (PETROLEUM) SOLVENT DEWAXED HEAVY PARAFFINIC 64742-65-0  | 40 - 50% | 265-169-7                | -                            | Asp. Tox. 1 (H304)                                           | -                                  | -        | -                    |
| DISTILLATES (PETROLEUM), SOLVENT-REFINED HEAVY PARAFFINIC 64741-88-4 | 0 - 10%  | 265-090-8                | -                            | Nota L<br>Asp. Tox. 1 (H304)<br>EUH066                       | -                                  | -        | -                    |
| DISTILLATES (PETROLEUM), HYDROTREATED                                | 0 - 10%  | 265-157-1 (649-467-00-8) | -                            | Asp. Tox. 1 (H304)                                           | -                                  | -        | -                    |

|                                                                                                                         |         |           |   |                                                       |   |   |   |
|-------------------------------------------------------------------------------------------------------------------------|---------|-----------|---|-------------------------------------------------------|---|---|---|
| HEAVY<br>PARAFFINIC<br>64742-54-7                                                                                       |         |           |   |                                                       |   |   |   |
| ALKYL (C18-C28)<br>TOLUENESULFONIC<br>ACID, CALCIUM<br>SALTS, BORATED<br>-                                              | 0 - 10% | -         | - | Repr. 2 (H361)<br>Skin Sens. 1B (H317)                | - | - | - |
| CALCIUM ALKARYL<br>SULPHONATE<br>722503-68-6                                                                            | 0 - 10% | -         | - | Skin Sens. 1 (H317)<br>Aquatic Chronic 4<br>(H413)    | - | - | - |
| PHOSPHORODITHIOIC<br>ACID, MIXED<br>O,O-BIS(SEC-BU<br>AND<br>1,3-DIMETHYLBUT<br>YL) ESTERS, ZINC<br>SALTS<br>68784-31-6 | 0 - 10% | 272-238-5 | - | Aquatic Chronic 2<br>(H411)<br>Eye Dam. 1 (H318)      | - | - | - |
| 2,6<br>DI-TERT-BUTYL-P-<br>CRESOL (BHT)<br>128-37-0                                                                     | 0 - 10% | 204-881-4 | - | Aquatic Chronic 1<br>(H410)<br>Aquatic Acute 1 (H400) | - | 1 | 1 |

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

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (UK REACH Article 59)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                       |                                                                                                                                   |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b> | Show this safety data sheet to the doctor in attendance.                                                                          |
| <b>Inhalation</b>     | Get medical attention if symptoms occur. Remove to fresh air.                                                                     |
| <b>Eye contact</b>    | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.                 |
| <b>Skin contact</b>   | Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor. |
| <b>Ingestion</b>      | Rinse mouth.                                                                                                                      |

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

|                 |                                      |
|-----------------|--------------------------------------|
| <b>Symptoms</b> | Itching. Rashes. Hives.              |
| <b>Dermal</b>   | May cause an allergic skin reaction. |

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

|                        |                                                                        |
|------------------------|------------------------------------------------------------------------|
| <b>Note to doctors</b> | May cause sensitisation in susceptible persons. Treat symptomatically. |
|------------------------|------------------------------------------------------------------------|

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                       |                                                                    |
|---------------------------------------|--------------------------------------------------------------------|
| <b>Suitable Extinguishing Media</b>   | Dry chemical, CO2, alcohol-resistant foam or water spray.          |
| <b>Large Fire</b>                     | CAUTION: Use of water spray when fighting fire may be inefficient. |
| <b>Unsuitable extinguishing media</b> | Do not scatter spilled material with high pressure water streams.  |

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

|                                                   |                                                                               |
|---------------------------------------------------|-------------------------------------------------------------------------------|
| <b>Specific hazards arising from the chemical</b> | Product is or contains a sensitiser. May cause sensitisation by skin contact. |
| <b>Hazardous combustion products</b>              | Carbon oxides. Phosphorus oxides. Oxides of sulphur. Nitrogen oxides (NOx).   |

### 5.3. Advice for firefighters

|                                                                       |                                                                                                                                    |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Special protective equipment and precautions for fire-fighters</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|

## **SECTION 6: Accidental release measures**

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

|                                 |                                                                                                                                                                        |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions</b>     | Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Keep people away from and upwind of spill/leak. |
| <b>For emergency responders</b> | Use personal protection recommended in Section 8.                                                                                                                      |

### 6.2. Environmental precautions

|                                  |                                                       |
|----------------------------------|-------------------------------------------------------|
| <b>Environmental precautions</b> | See Section 12 for additional Ecological Information. |
|----------------------------------|-------------------------------------------------------|

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

|                                        |                                                                                      |
|----------------------------------------|--------------------------------------------------------------------------------------|
| <b>Methods for containment</b>         | Prevent further leakage or spillage if safe to do so.                                |
| <b>Methods for cleaning up</b>         | Take up mechanically, placing in appropriate containers for disposal.                |
| <b>Prevention of secondary hazards</b> | Clean contaminated objects and areas thoroughly observing environmental regulations. |

### 6.4. Reference to other sections

|                                    |                                                                          |
|------------------------------------|--------------------------------------------------------------------------|
| <b>Reference to other sections</b> | See section 8 for more information. See section 13 for more information. |
|------------------------------------|--------------------------------------------------------------------------|

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

|                                       |                                                                                                                                                                                                            |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Advice on safe handling</b>        | Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash it before reuse. |
| <b>General hygiene considerations</b> | Wash hands before breaks and immediately after handling the product.                                                                                                                                       |

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

## 7.3. Specific end use(s)

### Specific use(s)

See section 1 for more information.

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

### Exposure Limits

| Chemical name                                | United Kingdom                                          |
|----------------------------------------------|---------------------------------------------------------|
| 2,6 DI-TERT-BUTYL-P-CRESOL (BHT)<br>128-37-0 | TWA: 10 mg/m <sup>3</sup><br>STEL: 30 mg/m <sup>3</sup> |

**Biological occupational exposure limits** This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

### Derived No Effect Level (DNEL) - Workers

| Chemical name                                                                                                 | Oral | Dermal                    | Inhalation                                                       |
|---------------------------------------------------------------------------------------------------------------|------|---------------------------|------------------------------------------------------------------|
| DISTILLATES (PETROLEUM)<br>SOLVENT DEWAXED HEAVY<br>PARAFFNIC<br>64742-65-0                                   |      |                           | 5.4 mg/m <sup>3</sup> [6]                                        |
| DISTILLATES (PETROLEUM),<br>HYDROTREATED HEAVY<br>PARAFFNIC<br>64742-54-7                                     |      | 0.97 mg/kg bw/day [4] [6] | 2.73 mg/m <sup>3</sup> [4] [6]<br>5.58 mg/m <sup>3</sup> [5] [6] |
| PHOSPHORODITHIOIC ACID, MIXED<br>O,O-BIS(SEC-BU AND<br>1,3-DIMETHYLBUTYL) ESTERS,<br>ZINC SALTS<br>68784-31-6 |      | 10.42 mg/kg/day [4] [6]   | 2.93 mg/m <sup>3</sup> [4] [6]                                   |
| 2,6 DI-TERT-BUTYL-P-CRESOL<br>(BHT)<br>128-37-0                                                               |      | 0.5 mg/kg bw/day [4] [6]  | 1.76 mg/m <sup>3</sup> [4] [6]                                   |

[4] Systemic health effects.

[5] Local health effects.

[6] Long term.

### Derived No Effect Level (DNEL) - General Public

| Chemical name                                    | Oral | Dermal | Inhalation                |
|--------------------------------------------------|------|--------|---------------------------|
| DISTILLATES (PETROLEUM)<br>SOLVENT DEWAXED HEAVY |      |        | 1.2 mg/m <sup>3</sup> [6] |

| Chemical name                                                                                                 | Oral                      | Dermal                    | Inhalation                      |
|---------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------|---------------------------------|
| PARAFFINIC<br>64742-65-0                                                                                      |                           |                           |                                 |
| DISTILLATES (PETROLEUM),<br>HYDROTREATED HEAVY<br>PARAFFINIC<br>64742-54-7                                    | 0.74 mg/kg bw/day [4] [6] |                           | 1.19 mg/m <sup>3</sup> [5] [6]  |
| PHOSPHORODITHIOIC ACID, MIXED<br>O,O-BIS(SEC-BU AND<br>1,3-DIMETHYLBUTYL) ESTERS,<br>ZINC SALTS<br>68784-31-6 | 0.21 mg/kg/day [4] [6]    | 2.1 mg/kg/day [4] [6]     | 11.75 mg/m <sup>3</sup> [4] [6] |
| 2,6 DI-TERT-BUTYL-P-CRESOL<br>(BHT)<br>128-37-0                                                               | 0.25 mg/kg bw/day [4] [6] | 0.25 mg/kg bw/day [4] [6] | 0.435 mg/m <sup>3</sup> [4] [6] |

[4] Systemic health effects.  
[5] Local health effects.  
[6] Long term.

**Predicted No Effect Concentration (PNEC)**

| Chemical name                                                                                                    | Freshwater | Freshwater<br>(intermittent release) | Marine water | Marine water<br>(intermittent release) | Air |
|------------------------------------------------------------------------------------------------------------------|------------|--------------------------------------|--------------|----------------------------------------|-----|
| PHOSPHORODITHIOIC<br>ACID, MIXED<br>O,O-BIS(SEC-BU AND<br>1,3-DIMETHYLBUTYL)<br>ESTERS, ZINC SALTS<br>68784-31-6 | 4 µg/l     | 44 µg/L                              | 4.6 µg/l     |                                        |     |
| 2,6<br>DI-TERT-BUTYL-P-CRESOL (BHT)<br>128-37-0                                                                  | 0.199 µg/L | 0.199 µg/L                           | 0.02 µg/L    |                                        |     |

| Chemical name                                                                                                    | Freshwater<br>sediment      | Marine sediment   | Sewage treatment | Soil            | Food chain       |
|------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------|------------------|-----------------|------------------|
| DISTILLATES<br>(PETROLEUM),<br>HYDROTREATED HEAVY<br>PARAFFINIC<br>64742-54-7                                    |                             |                   |                  |                 | 9.33 mg/kg food  |
| PHOSPHORODITHIOIC<br>ACID, MIXED<br>O,O-BIS(SEC-BU AND<br>1,3-DIMETHYLBUTYL)<br>ESTERS, ZINC SALTS<br>68784-31-6 | 0.0701 mg/kg<br>sediment dw | 0.00701 mg/kg/day | 3.8 mg/L         | 0.0548 mg/kg    | 3.8 mg/l         |
| 2,6<br>DI-TERT-BUTYL-P-CRESOL (BHT)<br>128-37-0                                                                  | 0.458 mg/kg dw              | 0.0458 mg/kg dw   | 0.017 mg/l       | 0.0539 mg/kg dw | 16.67 mg/kg food |

**8.2. Exposure controls**

**Engineering controls** No information available.

**Personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles). Use eye protection according to EN 166.

**Hand protection** Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Nitrile rubber. Neoprene gloves. Gloves must conform to standard EN 374.

**Skin and body protection** Wear suitable protective clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|                        |                           |
|------------------------|---------------------------|
| <b>Physical state</b>  | Liquid                    |
| <b>Appearance</b>      | Viscous liquid            |
| <b>Colour</b>          | Amber                     |
| <b>Odour</b>           | No information available. |
| <b>Odour threshold</b> | No information available  |

| <b>Property</b>                                | <b>Values</b>            | <b>Remarks • Method</b>   |
|------------------------------------------------|--------------------------|---------------------------|
| <b>Melting point / freezing point</b>          |                          | No information available. |
| <b>Initial boiling point and boiling range</b> | > 300.0 °C               | ASTM D2887.               |
| <b>Flammability</b>                            |                          | No information available. |
| <b>Flammability Limit in Air</b>               |                          | No information available. |
| <b>Upper flammability or explosive limits</b>  |                          |                           |
| <b>Lower flammability or explosive limits</b>  |                          |                           |
| <b>Flash point</b>                             | > 200.0 °C               | (ASTM D93).               |
| <b>Autoignition temperature</b>                |                          | No information available. |
| <b>Decomposition temperature</b>               |                          | No information available. |
| <b>pH</b>                                      |                          | No information available. |
| <b>pH (as aqueous solution)</b>                |                          | No information available. |
| <b>Kinematic viscosity</b>                     | 96.97 cSt                | 40.0 °C. ASTM D 445.      |
| <b>Dynamic viscosity</b>                       |                          | No information available. |
| <b>Water solubility</b>                        | Immiscible in water      |                           |
| <b>Solubility(ies)</b>                         |                          | No information available. |
| <b>Partition coefficient</b>                   |                          | No information available. |
| <b>Vapour pressure</b>                         |                          | No information available. |
| <b>Relative density</b>                        | 0.8703                   | ASTM D4052.               |
| <b>Bulk density</b>                            |                          | No information available  |
| <b>Liquid Density</b>                          | No information available | No information available  |
| <b>Relative vapour density</b>                 |                          | No information available. |
| <b>Particle characteristics</b>                |                          | No information available. |
| <b>Particle Size</b>                           | No information available |                           |
| <b>Particle Size Distribution</b>              | No information available |                           |

|                      |                          |
|----------------------|--------------------------|
| Explosive properties | No information available |
| Oxidising properties | No information available |

## 9.2. Other information

# SECTION 10: Stability and reactivity

## 10.1. Reactivity

|            |                                              |
|------------|----------------------------------------------|
| Reactivity | Stable under recommended storage conditions. |
|------------|----------------------------------------------|

## 10.2. Chemical stability

|           |                                 |
|-----------|---------------------------------|
| Stability | Stable under normal conditions. |
|-----------|---------------------------------|

### Explosion data

|                                  |       |
|----------------------------------|-------|
| Sensitivity to mechanical impact | None. |
|----------------------------------|-------|

|                                 |       |
|---------------------------------|-------|
| Sensitivity to static discharge | None. |
|---------------------------------|-------|

## 10.3. Possibility of hazardous reactions

|                                    |                               |
|------------------------------------|-------------------------------|
| Possibility of hazardous reactions | None under normal processing. |
|------------------------------------|-------------------------------|

## 10.4. Conditions to avoid

|                     |                 |
|---------------------|-----------------|
| Conditions to avoid | Excessive heat. |
|---------------------|-----------------|

## 10.5. Incompatible materials

|                        |                                                      |
|------------------------|------------------------------------------------------|
| Incompatible materials | Strong acids. Strong bases. Strong oxidising agents. |
|------------------------|------------------------------------------------------|

## 10.6. Hazardous decomposition products

|                                  |                                                                             |
|----------------------------------|-----------------------------------------------------------------------------|
| Hazardous decomposition products | Carbon oxides. Nitrogen oxides (NOx). Phosphorus oxides. Oxides of sulphur. |
|----------------------------------|-----------------------------------------------------------------------------|

# SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

### Information on likely routes of exposure

#### Product Information

|            |                       |
|------------|-----------------------|
| Inhalation | May cause irritation. |
|------------|-----------------------|

|             |                                     |
|-------------|-------------------------------------|
| Eye contact | May cause temporary eye irritation. |
|-------------|-------------------------------------|

|              |                                      |
|--------------|--------------------------------------|
| Skin contact | May cause an allergic skin reaction. |
|--------------|--------------------------------------|

|           |                              |
|-----------|------------------------------|
| Ingestion | Gastrointestinal discomfort. |
|-----------|------------------------------|

### Symptoms related to the physical, chemical and toxicological characteristics

|          |                         |
|----------|-------------------------|
| Symptoms | Itching. Rashes. Hives. |
|----------|-------------------------|

### Acute toxicity

#### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

**Component Information**

| Chemical name                                                                          | Oral LD50                                    | Dermal LD50             | Inhalation LC50 |
|----------------------------------------------------------------------------------------|----------------------------------------------|-------------------------|-----------------|
| DISTILLATES (PETROLEUM), SOLVENT-REFINED HEAVY PARAFFINIC                              | > 5000 mg/kg ( Rat )                         | > 2000 mg/kg ( Rabbit ) | -               |
| DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC                                 | > 15 g/kg ( Rat )                            | > 5000 mg/kg ( Rabbit ) | -               |
| PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(SEC-BU AND 1,3-DIMETHYLBUTYL) ESTERS, ZINC SALTS | = 3400 mg/kg ( Rat )<br>= 2900 mg/kg ( Rat ) | > 5000 mg/kg ( Rabbit ) | -               |
| 2,6 DI-TERT-BUTYL-P-CRESOL (BHT)                                                       | = 2930 mg/kg ( Rat )                         | > 2000 mg/kg ( Rat )    | -               |

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** No information available.

**DISTILLATES (PETROLEUM), SOLVENT-REFINED HEAVY PARAFFINIC (64741-88-4)**

| Method | Species | Exposure route | Effective dose | Exposure time | Results            |
|--------|---------|----------------|----------------|---------------|--------------------|
|        | Rabbit  |                |                |               | Mild skin irritant |

**2,6 DI-TERT-BUTYL-P-CRESOL (BHT) (128-37-0)**

| Method                                               | Species | Exposure route | Effective dose | Exposure time | Results      |
|------------------------------------------------------|---------|----------------|----------------|---------------|--------------|
| OECD Test No. 404: Acute Dermal Irritation/Corrosion | Rabbit  | Dermal         |                | 4 hours       | non-irritant |

**Serious eye damage/eye irritation** No information available.

**DISTILLATES (PETROLEUM), SOLVENT-REFINED HEAVY PARAFFINIC (64741-88-4)**

| Method | Species | Exposure route | Effective dose | Exposure time | Results             |
|--------|---------|----------------|----------------|---------------|---------------------|
|        | Rabbit  | eye            |                |               | Mild eye irritation |

**2,6 DI-TERT-BUTYL-P-CRESOL (BHT) (128-37-0)**

| Method                                            | Species | Exposure route | Effective dose | Exposure time | Results      |
|---------------------------------------------------|---------|----------------|----------------|---------------|--------------|
| OECD Test No. 405: Acute Eye Irritation/Corrosion | Rabbit  | eye            |                |               | non-irritant |

**Respiratory or skin sensitisation** May cause an allergic skin reaction.

**DISTILLATES (PETROLEUM), SOLVENT-REFINED HEAVY PARAFFINIC (64741-88-4)**

| Method | Species    | Exposure route | Results               |
|--------|------------|----------------|-----------------------|
|        | Guinea pig | Dermal         | Not a skin sensitiser |

**2,6 DI-TERT-BUTYL-P-CRESOL (BHT) (128-37-0)**

| Method           | Species        | Exposure route | Results               |
|------------------|----------------|----------------|-----------------------|
| Human patch test | Human evidence | Dermal         | Not a skin sensitiser |

**Germ cell mutagenicity** No information available.

## Component Information

DISTILLATES (PETROLEUM), SOLVENT-REFINED HEAVY PARAFFINIC (64741-88-4)

| Method | Species  | Results                                                                                    |
|--------|----------|--------------------------------------------------------------------------------------------|
|        | in vitro | In vitro genetic toxicity studies were negative in some cases and positive in other cases. |

**Carcinogenicity** No information available.

## Component Information

DISTILLATES (PETROLEUM), SOLVENT-REFINED HEAVY PARAFFINIC (64741-88-4)

| Method | Species | Results                                   |
|--------|---------|-------------------------------------------|
|        | Mouse   | Limited evidence of a carcinogenic effect |

| Chemical name                                             | United Kingdom |
|-----------------------------------------------------------|----------------|
| DISTILLATES (PETROLEUM), SOLVENT-REFINED HEAVY PARAFFINIC | Carc. 1B       |

**Reproductive toxicity** No information available.**STOT - single exposure** No information available.

DISTILLATES (PETROLEUM), SOLVENT-REFINED HEAVY PARAFFINIC (64741-88-4)

| Method | Species | Exposure route | Effective dose | Exposure time | Results                           |
|--------|---------|----------------|----------------|---------------|-----------------------------------|
|        |         | Oral           |                |               | May cause drowsiness or dizziness |
|        |         | Inhalation     |                |               | May cause drowsiness or dizziness |

**STOT - repeated exposure** No information available.

## Component Information

DISTILLATES (PETROLEUM), SOLVENT-REFINED HEAVY PARAFFINIC (64741-88-4)

| Method | Species | Exposure route | Effective dose | Exposure time | Results        |
|--------|---------|----------------|----------------|---------------|----------------|
|        | Rat     | Inhalation     | 0.21 mg/l      | 28 days       | Not classified |

**Aspiration hazard** No information available.**Other adverse effects** No information available.**SECTION 12: Ecological information****12.1. Toxicity****Ecotoxicity** Not considered to be harmful to aquatic life.**Unknown aquatic toxicity**

## DISTILLATES (PETROLEUM), SOLVENT-REFINED HEAVY PARAFFINIC (64741-88-4)

| Method | Species     | Endpoint type | Effective dose | Exposure time | Results |
|--------|-------------|---------------|----------------|---------------|---------|
|        | Fish        | LL50          | >100 mg/L      | 96 hours      |         |
|        | Water flea  | EC50          | >100 mg/L      | 48 hours      |         |
|        | Green Algae | EL50          | >100 mg/L      | 96 hours      |         |
|        | Green Algae | NOEL          | 100 mg/L       | 96 hours      |         |
|        | Water flea  | NOEL          | 100 mg/L       | 21 days       |         |

## DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (64742-54-7)

| Method                                                                        | Species                  | Endpoint type | Effective dose | Exposure time | Results |
|-------------------------------------------------------------------------------|--------------------------|---------------|----------------|---------------|---------|
| OECD Test No. 203: Fish, Acute Toxicity Test                                  | Pimephales promelas      | LC50          | > 100 mg/L     | 96 hours      |         |
| OECD Test No. 202: Daphnia sp., Acute Immobilisation Test                     | Daphnia magna            | EC50          | > 10000 mg/L   | 48 hours      |         |
| OECD Test No. 211: Daphnia magna Reproduction Test                            | Daphnia magna            | NOEC          | 10 mg/L        | days          |         |
| OECD Test No. 201: Freshwater Algae and Cyanobacteria, Growth Inhibition Test | Raphidocelis subcapitata | EC50          | >= 100 mg/L    | 72 hours      |         |
| DIN 38412                                                                     |                          | NOEL          | > 1.93 mg/L    | 4 days        |         |

## 2,6 DI-TERT-BUTYL-P-CRESOL (BHT) (128-37-0)

| Method                                                                                           | Species                    | Endpoint type | Effective dose | Exposure time | Results |
|--------------------------------------------------------------------------------------------------|----------------------------|---------------|----------------|---------------|---------|
| EC) No. 440/2008, Annex, C.1                                                                     | Brachydanio rerio          | LC50          | > 0.57 mg/L    | 96 hours      |         |
| OECD Test No. 202: Daphnia sp., Acute Immobilisation Test                                        | Daphnia magna              | EC50          | 0.48 mg/L      | 48 hours      |         |
| OECD Test No. 209: Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation) | activated sludge           | EC50          | > 10000 mg/L   | 3 hours       |         |
| OECD Test No. 210: Fish, Early-Life Stage Toxicity Test                                          | Oryzias latipes (Ricefish) | NOEC          | 0.053 mg/L     | 30 days       |         |
|                                                                                                  | Desmodesmus subspicatus    | EC50          | >0.4 mg/L      | 72 hours      |         |
| OECD Test No. 202: Daphnia sp., Acute Immobilisation Test                                        | Daphnia magna              | NOEC          | 0.15 mg/L      | 48 hours      |         |
| OECD Test No. 210: Fish, Early-Life Stage Toxicity Test                                          | Oryzias latipes (Ricefish) | LOEC          | 0.14 mg/L      | 30 days       |         |
| OECD Test No. 211: Daphnia magna Reproduction Test                                               | Daphnia magna              | NOEC          | 0.316 mg/L     | 21 days       |         |
| OECD Test No. 211: Daphnia magna Reproduction Test                                               | Daphnia magna              | NOEC          | 0.069 mg/L     | 21 days       |         |
| OECD Test No. 211: Daphnia magna Reproduction Test                                               | Daphnia magna              | NOEC          | 0.096 mg/L     | 21 days       |         |

| Chemical name                                          | Algae/aquatic plants | Fish                                       | Toxicity to microorganisms | Crustacea                            |
|--------------------------------------------------------|----------------------|--------------------------------------------|----------------------------|--------------------------------------|
| DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC | -                    | LC50: >5000mg/L (96h, Oncorhynchus mykiss) | -                          | EC50: >1000mg/L (48h, Daphnia magna) |

## 12.2. Persistence and degradability

**Persistence and degradability** No information available.

DISTILLATES (PETROLEUM), SOLVENT-REFINED HEAVY PARAFFINIC (64741-88-4)

| Method                                                                    | Exposure time | Value             | Results                   |
|---------------------------------------------------------------------------|---------------|-------------------|---------------------------|
| OECD Test No. 301B: Ready Biodegradability: CO2 Evolution Test (TG 301 B) | 28 days       | 22 Biodegradation | Not readily biodegradable |

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (64742-54-7)

| Method | Exposure time | Value                  | Results                   |
|--------|---------------|------------------------|---------------------------|
|        |               | Biodegradation 31.13 % | Not readily biodegradable |

2,6 DI-TERT-BUTYL-P-CRESOL (BHT) (128-37-0)

| Method                                                                                       | Exposure time | Value               | Results                   |
|----------------------------------------------------------------------------------------------|---------------|---------------------|---------------------------|
| OECD Test No. 301C: Ready Biodegradability: Modified MITI Test (I) (TG 301 C) or Equivalent. | 28 days       | 4.5% Biodegradation | Not readily biodegradable |

## 12.3. Bioaccumulative potential

**Bioaccumulation** No information available.

### Component Information

| Chemical name                                                                          | Partition coefficient |
|----------------------------------------------------------------------------------------|-----------------------|
| PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(SEC-BU AND 1,3-DIMETHYLBUTYL) ESTERS, ZINC SALTS | 4                     |
| 2,6 DI-TERT-BUTYL-P-CRESOL (BHT)                                                       | 5.1                   |

## 12.4. Mobility in soil

**Mobility in soil** Immiscible in water.

## 12.5. Results of PBT and vPvB assessment

**PBT and vPvB assessment** The product does not contain any substance(s) classified as PBT or vPvB.

| Chemical name                                                                          | PBT and vPvB assessment         |
|----------------------------------------------------------------------------------------|---------------------------------|
| DISTILLATES (PETROLEUM), SOLVENT-REFINED HEAVY PARAFFINIC                              | The substance is not PBT / vPvB |
| DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC                                 | The substance is not PBT / vPvB |
| PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(SEC-BU AND 1,3-DIMETHYLBUTYL) ESTERS, ZINC SALTS | The substance is not PBT / vPvB |
| 2,6 DI-TERT-BUTYL-P-CRESOL (BHT)                                                       | The substance is not PBT / vPvB |

## 12.6. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

## SECTION 14: Transport information

### IATA

|                                   |                |
|-----------------------------------|----------------|
| 14.1 UN number or ID number       | Not regulated  |
| 14.2 UN proper shipping name      | Not regulated  |
| 14.3 Transport hazard class(es)   | Not regulated  |
| 14.4 Packing group                | Not regulated  |
| 14.5 Environmental hazards        | Not applicable |
| 14.6 Special precautions for user |                |
| Special Provisions                | None           |

### IMDG

|                                                              |                          |
|--------------------------------------------------------------|--------------------------|
| 14.1 UN number or ID number                                  | Not regulated            |
| 14.2 UN proper shipping name                                 | Not regulated            |
| 14.3 Transport hazard class(es)                              | Not regulated            |
| 14.4 Packing group                                           | Not regulated            |
| 14.5 Environmental hazards                                   | Not applicable           |
| 14.6 Special precautions for user                            |                          |
| Special Provisions                                           | None                     |
| 14.7 Maritime transport in bulk according to IMO instruments | No information available |

### RID

|                                   |                |
|-----------------------------------|----------------|
| 14.1 UN number or ID number       | Not regulated  |
| 14.2 UN proper shipping name      | Not regulated  |
| 14.3 Transport hazard class(es)   | Not regulated  |
| 14.4 Packing group                | Not regulated  |
| 14.5 Environmental hazards        | Not applicable |
| 14.6 Special precautions for user |                |
| Special Provisions                | None           |

### ADR

|                                   |                |
|-----------------------------------|----------------|
| 14.1 UN number or ID number       | Not regulated  |
| 14.2 UN proper shipping name      | Not regulated  |
| 14.3 Transport hazard class(es)   | Not regulated  |
| 14.4 Packing group                | Not regulated  |
| 14.5 Environmental hazards        | Not applicable |
| 14.6 Special precautions for user |                |
| Special Provisions                | None           |

## SECTION 15: Regulatory information

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

#### National regulations

**Authorisations and/or restrictions on use:**

This product contains one or more substances subject to restriction (UK REACH - Annex XVII).

This product does not contain substances subject to authorisation (UK REACH - Annex XIV).

| Chemical name                                                                | Restricted substance per REACH Annex XVII                | Substance subject to authorisation per REACH Annex XIV |
|------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------|
| DISTILLATES (PETROLEUM),<br>SOLVENT-REFINED HEAVY PARAFFINIC -<br>64741-88-4 | Use restricted. See item 28.<br>Restricted Carcinogen 1B | -                                                      |
| DISTILLATES (PETROLEUM), HYDROTREATED<br>HEAVY PARAFFINIC - 64742-54-7       | Use restricted. See item 28.<br>Restricted Carcinogen 1B | -                                                      |

**Persistent Organic Pollutants**

Not applicable

**Export Notification requirements**

Not applicable

**Named dangerous substances per COMAH Regulations 2015 (as amended)**

Not applicable

**The Ozone-Depleting Substances Regulations 2015**

Not applicable

**The Biocidal Products Regulations 2001 (as amended)**

Not applicable

**The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)**

Not applicable

**Poisons Act 1972 (Explosive Precursors) Regulations (as Amended)**

Not applicable

**International Inventories**

|               |                                                  |
|---------------|--------------------------------------------------|
| TSCA          | Contact supplier for inventory compliance status |
| DSL/NDL       | Contact supplier for inventory compliance status |
| EINECS/ELINCS | Contact supplier for inventory compliance status |
| ENCS          | Contact supplier for inventory compliance status |
| IECSC         | Contact supplier for inventory compliance status |
| KECI          | Contact supplier for inventory compliance status |
| PICCS         | Contact supplier for inventory compliance status |
| AIIC          | Contact supplier for inventory compliance status |
| NZIoC         | Contact supplier for inventory compliance status |

**Legend:**

|                      |                                                                                                    |
|----------------------|----------------------------------------------------------------------------------------------------|
| <b>TSCA</b>          | - United States Toxic Substances Control Act Section 8(b) Inventory                                |
| <b>DSL/NDL</b>       | - Canadian Domestic Substances List/Non-Domestic Substances List                                   |
| <b>EINECS/ELINCS</b> | - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances |
| <b>ENCS</b>          | - Japan Existing and New Chemical Substances                                                       |
| <b>IECSC</b>         | - China Inventory of Existing Chemical Substances                                                  |
| <b>KECL</b>          | - Korean Existing and Evaluated Chemical Substances                                                |
| <b>PICCS</b>         | - Philippines Inventory of Chemicals and Chemical Substances                                       |
| <b>AIIC</b>          | - Australian Inventory of Industrial Chemicals                                                     |
| <b>NZIoC</b>         | - New Zealand Inventory of Chemicals                                                               |

**15.2. Chemical safety assessment**

**Chemical Safety Report** No information available

## SECTION 16: Other information

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Full text of H-Statements referred to under section 3

H304 - May be fatal if swallowed and enters airways  
H317 - May cause an allergic skin reaction  
H361 - Suspected of damaging fertility or the unborn child  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects  
H413 - May cause long lasting harmful effects to aquatic life

#### Legend

SVHC: Substances of Very High Concern for Authorisation:

#### Legend Section 8: Exposure controls/personal protection

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | *    | Skin designation                 |
| +       | Sensitisers                 |      |                                  |

Revision Note \*\*\*Indicates updated data since last publication

#### Classification procedure

|                                                                 |                    |
|-----------------------------------------------------------------|--------------------|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used        |
| Acute oral toxicity                                             | Calculation method |
| Acute dermal toxicity                                           | Calculation method |
| Acute inhalation toxicity - gas                                 | Calculation method |
| Acute inhalation toxicity - vapour                              | Calculation method |
| Acute inhalation toxicity - dust/mist                           | Calculation method |
| Skin corrosion/irritation                                       | Calculation method |
| Serious eye damage/eye irritation                               | Calculation method |
| Respiratory sensitisation                                       | Calculation method |
| Skin sensitisation                                              | Calculation method |
| Mutagenicity                                                    | Calculation method |
| Carcinogenicity                                                 | Calculation method |
| Reproductive toxicity                                           | Calculation method |
| STOT - single exposure                                          | Calculation method |
| STOT - repeated exposure                                        | Calculation method |
| Acute aquatic toxicity                                          | Calculation method |
| Chronic aquatic toxicity                                        | Calculation method |
| Aspiration hazard                                               | Calculation method |
| Ozone                                                           | Calculation method |

#### Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)  
U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)  
European Chemicals Agency (ECHA) (ECHA\_API)  
Environmental Protection Agency  
Acute Exposure Guideline Level(s) (AEGL(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
National Institute of Technology and Evaluation (NITE)  
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
U.S. National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme  
Organisation for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

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**Revision date** 28-Oct-2025

**This material safety data sheet complies with the requirements of UK REACH Regulations (SI 2019/758 as amended)  
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work**

**Disclaimer**

**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**

**End of Safety Data Sheet**