

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

**Supersedes date** 24-Oct-2019

**Revision date** 31-May-2026

**Revision Number** 2

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

### **1.1. Product identifier**

|                                 |               |
|---------------------------------|---------------|
| <b>Product Code(s)</b>          | 59095         |
| <b>Safety data sheet number</b> | 59095         |
| <b>Product Name</b>             | SENTINEL PO 5 |
| <b>Index No</b>                 | 649-467-00-8  |
| <b>EC Number</b>                | 265-157-1     |
| <b>CAS No</b>                   | 64742-54-7    |
| <b>Synonyms</b>                 |               |
| <b>Pure substance/mixture</b>   | Substance     |

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

|                        |                                                                                                                                                                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Recommended use</b> | Base Oil<br>Distribution of substance<br>Formulation & (re)packing of substances and mixtures.<br>Functional fluids<br>Lubricant<br>Manufacture of substance<br>Metal working fluids / rolling oils,<br>Industrial use<br>Professional use<br>Consumer use |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### **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

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

### **1.4. Emergency telephone number**

|                            |                                |
|----------------------------|--------------------------------|
| <b>Emergency Telephone</b> | SGS - +32 (0)3 575 55 55 (24h) |
|----------------------------|--------------------------------|

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Not classified

**2.2. Label elements**

Not classified

**Hazard statements**

Not classified

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

| 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), HYDROTREATED HEAVY PARAFFINIC 64742-54-7 | 100 %    | 265-157-1           | -                            | Not Classified                                               | -                                  | -        | -                    |

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

Product containing mineral oil with less than 3% DMSO extract as measured by IP 346

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****Inhalation**

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Get medical attention if symptoms occur.

**Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur.

**Skin contact**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if symptoms occur. If product is injected into or

under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

**Ingestion** Rinse mouth thoroughly with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting without medical advice. Get medical attention if symptoms occur.

**Self-protection of the first aider** No action shall be taken involving any personal risk or without suitable training.

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

**Inhalation** No known effect.

**Eyes** May cause slight eye irritation.

**Dermal** Local necrosis as evidenced by delayed onset of pain and tissue damage a few hours after injection.

**Ingestion** No known effect

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

**Note to doctors** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

**Suitable Extinguishing Media** Dry chemical, CO<sub>2</sub>, alcohol-resistant foam or water spray.

**Large Fire** CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

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

**Specific hazards arising from the chemical** When heated and in case of fire, toxic vapours/gases may be formed. Containers can burst violently when heated, due to excess pressure build-up.

**Hazardous combustion products** Carbon oxides. Oxides of sulphur. Aldehydes.

#### **5.3. Advice for firefighters**

**Special protective equipment and precautions for fire-fighters** 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**

**Personal precautions** Ensure adequate ventilation. Use personal protection recommended in Section 8. Avoid contact with skin, eyes and inhalation of vapours. No action shall be taken involving any personal risk or without suitable training. Evacuate personnel to safe areas. Keep

unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material.

**For emergency responders** Use personal protection recommended in Section 8.

### **6.2. Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Stop leak if possible without any risk. Move containers from fire area if you can do it without risk. Prevent entry into sewers, water courses, basements or confined areas. After cleaning, flush away traces with water. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Pick up and transfer to properly labelled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

### **6.4. Reference to other sections**

**Reference to other sections** See section 8 for more information. See section 13 for more information.

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

### **7.1. Precautions for safe handling**

**Advice on safe handling** Ensure adequate ventilation. Use personal protection recommended in Section 8. Avoid contact with skin, eyes and inhalation of vapours. Product is a static accumulator. A liquid is typically considered a nonconductive, static accumulator if its conductivity is below 100 pS/m (100x10E-12 Siemens per meter) and is considered a semiconductive, static accumulator if its conductivity is below 10,000 pS/m. Whether a liquid is nonconductive or semiconductive, the precautions are the same. A number of factors, for example liquid temperature, presence of contaminants, anti-static additives and filtration can greatly influence the conductivity of a liquid.

**General hygiene considerations** Do not eat, drink or smoke when using the product. Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas. Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8.

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

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Protect from direct sunlight. See section 10 for more information. Keep away from food, drink and animal feedingstuffs. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep in properly labelled containers. Use appropriate containment to avoid environmental contamination.

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

**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>HYDROTREATED HEAVY<br>PARAFFINIC<br>64742-54-7 |      | 0.97 mg/kg bw/day [4] [6] | 2.73 mg/m <sup>3</sup> [4] [6]<br>5.4 mg/m <sup>3</sup> [5] [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>HYDROTREATED HEAVY<br>PARAFFINIC<br>64742-54-7 | 0.74 mg/kg bw/day [4] [6] |        | 1.2 mg/m <sup>3</sup> [5] [6] |

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

#### Predicted No Effect Concentration (PNEC)

| Chemical name                                                              | Freshwater sediment | Marine sediment | Sewage treatment | Soil | Food chain      |
|----------------------------------------------------------------------------|---------------------|-----------------|------------------|------|-----------------|
| DISTILLATES (PETROLEUM),<br>HYDROTREATED HEAVY<br>PARAFFINIC<br>64742-54-7 |                     |                 |                  |      | 9.33 mg/kg food |

### 8.2. Exposure controls

**Engineering controls** No information available.

#### Personal protective equipment

|                                       |                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye/face protection</b>            | Wear safety glasses with side shields (or goggles). Use eye protection according to EN ISO 16321-1.                                                                                                                                                                                                                                  |
| <b>Hand protection</b>                | Wear suitable gloves. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Gloves must conform to standard EN 374.                                                                                                             |
| <b>Skin and body protection</b>       | Wear appropriate clothing to prevent reasonably probable skin contact.                                                                                                                                                                                                                                                               |
| <b>Respiratory protection</b>         | Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.                                                             |
| <b>General hygiene considerations</b> | Do not eat, drink or smoke when using the product. Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas. Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. |

## SECTION 9: Physical and chemical properties

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

|                        |                          |
|------------------------|--------------------------|
| <b>Physical state</b>  | Liquid                   |
| <b>Appearance</b>      | Liquid                   |
| <b>Colour</b>          | Light (or pale) yellow   |
| <b>Odour</b>           | Characteristic.          |
| <b>Odour threshold</b> | No information available |

| <u>Property</u>                                | <u>Values</u>            | <u>Remarks • Method</u>   |
|------------------------------------------------|--------------------------|---------------------------|
| <b>Melting point / freezing point</b>          |                          | No information available. |
| <b>Initial boiling point and boiling range</b> | > 315.56 °C              | Estimated.                |
| <b>Flammability</b>                            |                          | Ignitable.                |
| <b>Flammability Limit in Air</b>               |                          |                           |
| Upper flammability or explosive limits         | 7 %                      |                           |
| Lower flammability or explosive limits         | 0.9 %                    |                           |
| <b>Flash point</b>                             | > 210 °C                 | Open cup. ASTM D92.       |
| <b>Autoignition temperature</b>                | 370 °C                   |                           |
| <b>Decomposition temperature</b>               |                          | No information available. |
| <b>pH</b>                                      |                          | Not applicable.           |
| pH (as aqueous solution)                       |                          | No information available. |
| <b>Kinematic viscosity</b>                     | 5.4 cSt                  | @ 100 °C.                 |
| 30 cSt                                         |                          | @ 40 °C. ASTM D 445.      |
| <b>Dynamic viscosity</b>                       |                          | No information available. |
| <b>Water solubility</b>                        | negligible               |                           |
| <b>Solubility(ies)</b>                         |                          | No information available. |
| <b>Partition coefficient</b>                   | log Pow: > 3.5           | Estimated.                |
| <b>Vapour pressure</b>                         | < 0.1 mmHg               | @ 20 °C. Estimated value. |
| <b>Relative density</b>                        | 0.85                     |                           |
| Bulk density                                   |                          | No information available  |
| Liquid Density                                 | No information available | No information available  |
| <b>Relative vapour density</b>                 | > 2                      | @ 20 °C. Estimated value. |
| <b>Particle characteristics</b>                |                          | Not applicable.           |
| Particle Size                                  | No information available |                           |
| Particle Size Distribution                     | No information available |                           |
| <b>Explosive properties</b>                    | No information available |                           |

Oxidising properties No information available

#### 9.2. Other information

Pour Point -18°C

### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

Reactivity No specific test data related to reactivity available for this product or its ingredients.

#### 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 Under normal conditions of storage and use, hazardous reactions will not occur.

#### 10.4. Conditions to avoid

Conditions to avoid High energy sources of ignition. Excessive heat.

#### 10.5. Incompatible materials

Incompatible materials Strong oxidising agents.

#### 10.6. Hazardous decomposition products

Hazardous decomposition products Carbon oxides. Oxides of sulphur. Aldehydes.

### **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

##### Information on likely routes of exposure

##### **Product Information**

Inhalation Inhalation of vapours in high concentration may cause irritation of respiratory system.

Eye contact May cause slight eye irritation.

Skin contact Non-irritating during normal use.

Ingestion May cause discomfort if swallowed.

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

##### **Symptoms**

##### Acute toxicity

##### **Numerical measures of toxicity**

**Component Information**

| Chemical name                                                | Oral LD50            | Dermal LD50             | Inhalation LC50     |
|--------------------------------------------------------------|----------------------|-------------------------|---------------------|
| DISTILLATES (PETROLEUM),<br>HYDROTREATED HEAVY<br>PARAFFINIC | > 5000 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit ) | 5.7 mg/l ( Rat ) 4h |

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

**Skin corrosion/irritation** Based on available data the classification criteria are not met. Non-irritating during normal use.

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

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

**Serious eye damage/eye irritation** Based on available data the classification criteria are not met. May cause slight eye irritation.

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

| Method                                            | Species | Exposure route | Effective dose | Exposure time | Results                         |
|---------------------------------------------------|---------|----------------|----------------|---------------|---------------------------------|
| OECD Test No. 405: Acute Eye Irritation/Corrosion |         |                |                |               | May cause slight eye irritation |

**Respiratory or skin sensitisation** Based on available data the classification criteria are not met. Not a skin sensitiser.

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

| Method                                | Species | Exposure route | Results                      |
|---------------------------------------|---------|----------------|------------------------------|
| OECD Test No. 406: Skin Sensitisation |         |                | Not a skin sensitiser        |
|                                       |         |                | Not a respiratory sensitiser |

**Germ cell mutagenicity** Based on available data the classification criteria are not met. Not mutagenic.

**Component Information**

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

| Method                                                                                       | Species | Results       |
|----------------------------------------------------------------------------------------------|---------|---------------|
| OECD Test No. 471: Bacterial Reverse Mutation Test                                           |         | Not mutagenic |
| OECD Test No. 473: In vitro Mammalian Chromosome Aberration Test                             |         | Not mutagenic |
| OECD Test No. 474: Mammalian Erythrocyte Micronucleus Test                                   |         | Not mutagenic |
| OECD Test No. 476: In Vitro Mammalian Cell Gene Mutation Tests using the Hprt and xprt genes |         | Not mutagenic |

**Carcinogenicity** Based on available data the classification criteria are not met. Not expected to cause carcinogenicity.

**Component Information**

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

| Method                                                               | Species | Results                                     |
|----------------------------------------------------------------------|---------|---------------------------------------------|
| OECD Test No. 451: Carcinogenicity Studies                           |         | Did not cause cancer in laboratory animals. |
| OECD Test No. 453: Combined Chronic Toxicity/Carcinogenicity Studies |         | Did not cause cancer in laboratory animals. |

**Reproductive toxicity**

Based on available data the classification criteria are not met.  
Not expected to cause reproductive effects.

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

| Method                                                                | Species | Results        |
|-----------------------------------------------------------------------|---------|----------------|
| OECD Test No. 414: Pre-natal Development Toxicity Study               |         | Not classified |
| OECD Test No. 421: Reproduction/Developmental Toxicity Screening Test |         | Not classified |

**STOT - single exposure**

Based on available data the classification criteria are not met.

**STOT - repeated exposure**

Based on available data the classification criteria are not met.

**Aspiration hazard**

Based on available data the classification criteria are not met.

**Other adverse effects**

No information available.

**SECTION 12: Ecological information****12.1. Toxicity****Ecotoxicity**

Not considered to be harmful to aquatic life.

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

| Method           | Species                         | Endpoint type | Effective dose    | Exposure time | Results |
|------------------|---------------------------------|---------------|-------------------|---------------|---------|
| Acute toxicity   | Daphnia magna                   | EL0           | 1000 - 10000 mg/L | 48 hours      |         |
| Acute toxicity   | Pseudokirchneriella subcapitata | EL0           | 100 mg/L          | 72 hours      |         |
| Acute toxicity   | Pimephales promelas             | LL0           | 100 mg/L          | 96 hours      |         |
| Chronic toxicity | Pseudokirchneriella subcapitata | NOEL          | 100 mg/L          | 72 hours      |         |
| Chronic toxicity | Daphnia magna                   | NOEL          | 10 - 1000 mg/L    | 21 days       |         |

**12.2. Persistence and degradability****Persistence and degradability**

Expected to be inherently biodegradable.

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

| Method | Exposure time | Value                 | Results               |
|--------|---------------|-----------------------|-----------------------|
|        | 28 days       | Biodegradation < 60 % | Readily biodegradable |

**12.3. Bioaccumulative potential****Bioaccumulation**

Has the potential to bioaccumulate, however metabolism or physical properties may reduce the bioconcentration or limit bioavailability.

**Component Information**

| Chemical name                                          | Partition coefficient |
|--------------------------------------------------------|-----------------------|
| DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC | > 3.5                 |

**12.4. Mobility in soil**

**Mobility in soil** negligible.

**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), HYDROTREATED HEAVY PARAFFINIC | 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        | No            |
| 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                                   | No                       |
| 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        | No            |
| 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        | No            |
| 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).

| Chemical name                                                          | Restricted substance per REACH Annex XVII                | Substance subject to authorisation per REACH Annex XIV |
|------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------|
| 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** This product contains substances for which Chemical Safety Assessments are still required.

**SECTION 16: Other information****Key or legend to abbreviations and acronyms used in the safety data sheet****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 **SDS sections updated 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16**

**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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**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**

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**End of Safety Data Sheet**