

# CAPRANO MT 30

SDS # : 080845

previous revision date : 2024/08/06

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

### 1.1 Product identifier

Product name : CAPRANO MT 30

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

| Identified uses |
|-----------------|
| Engine oil      |

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

TotalEnergies Lubrifiants  
562 Avenue du Parc de L'île  
92029 Nanterre Cedex FRANCE  
Tél: +33 (0)1 41 35 40 00  
Fax: +33 (0)1 41 35 84 71  
rm.msds-lubs@totalenergies.com

TotalEnergies Marketing Sweden AB  
Box 50326  
212 13 Malmö  
Sverige  
tlf. (+46) 040-38 36 50  
Fax: (+46) 040-29 28 20  
sm.nordic-reach@totalenergies.com

### Contact

H.S.E

### 1.4 Emergency telephone number

#### National advisory body/Poison Center

Telephone number : Poison Information Center: 112 (emergency), 010-456 6700 (in less urgent cases)

#### Supplier

Telephone number : Emergency phone: +44 1235 239670

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Product definition : Mixture

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

Not classified.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

For more details about adverse physical, human health and environmental effects, see sections 9 to 12.

### 2.2 Label elements

|                                                                                                                                           |                                                                                                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Signal word</b>                                                                                                                        | : No signal word.                                                                                                                                                                              |
| <b>Hazard statements</b>                                                                                                                  | : No hazard statement.                                                                                                                                                                         |
| <b><u>Precautionary statements</u></b>                                                                                                    |                                                                                                                                                                                                |
| <b>Prevention</b>                                                                                                                         | : Not applicable.                                                                                                                                                                              |
| <b>Response</b>                                                                                                                           | : Not applicable.                                                                                                                                                                              |
| <b>Storage</b>                                                                                                                            | : Not applicable.                                                                                                                                                                              |
| <b>Disposal</b>                                                                                                                           | : Not applicable.                                                                                                                                                                              |
| <b>Supplemental label elements</b>                                                                                                        | : Contains Alkyl (C18-C28) toluenesulfonic acid, calcium salts, borated and Calcium long chain alkaryl sulfonate. May produce an allergic reaction.<br>Safety data sheet available on request. |
| <b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b> | : Not applicable.                                                                                                                                                                              |

## 2.3 Other hazards

This mixture does not contain any substances that are assessed to be a PBT or a vPvB in a concentration  $\geq 0,1\%$ .  
This product does not contain any substance present at a concentration equal to or greater than 0.1% by mass, included in the list drawn up in accordance with article 59, paragraph 1 of the REACH Regulation, due to its endocrine disrupting properties, or a substance known to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation 2018/605.

**Other hazards which do not result in classification** : Hazard of slipping on spilled product.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures : Mixture

| Product/substance                                                                      | Identifiers                                                                             | % (w/w)             | Classification                              | Specific Conc. Limits, M-factors and ATEs | Type    |
|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------|---------------------------------------------|-------------------------------------------|---------|
| Distillates (petroleum), hydrotreated heavy paraffinic                                 | REACH #:<br>01-2119484627-25<br>EC: 265-157-1<br>CAS: 64742-54-7                        | $\geq 75 - \leq 90$ | Not classified.                             | -                                         | [2]     |
| Alkyl (C18-C28) toluenesulfonic acid, calcium salts, borated                           | EC: 953-650-0                                                                           | $\leq 3$            | Skin Sens. 1B, H317<br>Repr. 2, H361d       | Repr. 2, H361d: C $\geq 17.15\%$          | [1]     |
| Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts | REACH #:<br>01-2119657973-23<br>EC: 272-238-5<br>CAS: 68784-31-6                        | $< 2.5$             | Eye Dam. 1, H318<br>Aquatic Chronic 2, H411 | -                                         | [1]     |
| Calcium long chain alkaryl sulfonate                                                   | EC: 682-816-2<br>CAS: 722503-68-6                                                       | $\leq 1$            | Skin Sens. 1B, H317                         | -                                         | [1]     |
| Distillates (petroleum), hydrotreated heavy paraffinic                                 | REACH #:<br>01-2119484627-25<br>EC: 265-157-1<br>CAS: 64742-54-7<br>Index: 649-467-00-8 | $\leq 1$            | Asp. Tox. 1, H304                           | -                                         | [1] [2] |

|  |  |  |                                                                      |  |  |
|--|--|--|----------------------------------------------------------------------|--|--|
|  |  |  | See Section 16 for the full text of the H statements declared above. |  |  |
|--|--|--|----------------------------------------------------------------------|--|--|

**Additional information** : Mineral oil of petroleum origin. Product containing mineral oil with less than 3% DMSO extract as measured by IP 346

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

## Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact** : Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

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

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** :  
irritation  
dryness  
cracking
- Ingestion** : No specific data.

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

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Unsuitable extinguishing media** : Do not use water jet.

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



**Hazards from the substance or mixture** : In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous combustion products** : carbon monoxide  
carbon dioxide  
phosphorus oxides  
sulfur oxides  
Hydrogen sulfide  
Mercaptans  
Zinc oxides

### 5.3 Advice for firefighters

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

**For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**6.2 Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and materials for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

**Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

**6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

- Recommendations** : Not available.
- Industrial sector specific solutions** : Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

| Product/substance                                      | Exposure limit values                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Distillates (petroleum), hydrotreated heavy paraffinic | <b>Work environment authority Regulation 2018:1 (Sweden, 9/2021) [mineralolja, gammal använd]</b> Carc. Absorbed through skin.<br><b>Work environment authority Regulation 2018:1 (Sweden, 9/2021) [oil mist, incl. oil fumes]</b><br>TWA 8 hours: 1 mg/m <sup>3</sup> . Form: mist and fume.<br>STEL 15 minutes: 3 mg/m <sup>3</sup> . Form: mist and fume. |
| Distillates (petroleum), hydrotreated heavy paraffinic | <b>Work environment authority Regulation 2018:1 (Sweden, 9/2021) [mineralolja, gammal använd]</b> Carc. Absorbed through skin.<br><b>Work environment authority Regulation 2018:1 (Sweden, 9/2021) [oil mist, incl. oil fumes]</b><br>TWA 8 hours: 1 mg/m <sup>3</sup> . Form: mist and fume.<br>STEL 15 minutes: 3 mg/m <sup>3</sup> . Form: mist and fume. |

#### Biological Limit Values (BLV)

No exposure indices known.

- Recommended monitoring procedures** : Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**Advisory OEL**: Mineral oil mist: USA: OSHA (PEL) TWA 5 mg/m<sup>3</sup>, NIOSH (REL) TWA 5 mg/m<sup>3</sup>, STEL 10 mg/m<sup>3</sup>, ACGIH (TLV) TWA 5 mg/m<sup>3</sup> (highly refined)**DNELs/DMELs**

| Product/substance                                                                      | Type | Exposure              | Value                   | Population         | Effects  |
|----------------------------------------------------------------------------------------|------|-----------------------|-------------------------|--------------------|----------|
| Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts | DNEL | Short term Oral       | 29 mg/kg bw/day         | General population | Systemic |
|                                                                                        | DNEL | Long term Oral        | 0.21 mg/kg bw/day       | General population | Systemic |
|                                                                                        | DNEL | Long term Dermal      | 2.1 mg/kg bw/day        | General population | Systemic |
|                                                                                        | DNEL | Long term Inhalation  | 2.93 mg/m <sup>3</sup>  | Workers            | Systemic |
|                                                                                        | DNEL | Long term Dermal      | 10.42 mg/kg bw/day      | Workers            | Systemic |
|                                                                                        | DNEL | Long term Inhalation  | 11.75 mg/m <sup>3</sup> | General population | Systemic |
|                                                                                        | DNEL | Short term Dermal     | 50 mg/kg bw/day         | General population | Systemic |
|                                                                                        | DNEL | Short term Dermal     | 100 mg/kg bw/day        | Workers            | Systemic |
|                                                                                        | DNEL | Short term Inhalation | 198.6 mg/m <sup>3</sup> | General population | Systemic |
|                                                                                        | DNEL | Short term Inhalation | 496.4 mg/m <sup>3</sup> | Workers            | Systemic |

**PNECs**

| Product/ingredient name                                                                | Compartment Detail     | Name              | Method Detail |
|----------------------------------------------------------------------------------------|------------------------|-------------------|---------------|
| Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts | Fresh water            | 4 µg/l            | -             |
|                                                                                        | Marine water           | 4.6 µg/l          | -             |
|                                                                                        | Marine water sediment  | 0.00701 mg/kg dwt | -             |
|                                                                                        | Soil                   | 0.0548 mg/kg dwt  | -             |
|                                                                                        | Sewage Treatment Plant | 3.8 mg/l          | -             |

**8.2 Exposure controls****Appropriate engineering controls**

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Individual protection measures****Hygiene measures**

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection**

: In case of contact through splashing: safety glasses with side-shields, EN 166.

**Skin protection****Hand protection**

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Hydrocarbon-proof gloves  
nitrile rubber  
Fluorinated rubber

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

In case of prolonged contact with the product, it is recommended to wear gloves complying with ISO 21420 and EN 374 standards, protecting at least for 480 minutes and having a thickness of 0,38 mm at least. These values are indicative only. The level of protection is provided by the material of the glove, its technical characteristics, its resistance to the chemicals to be handled, the appropriateness of its use and its replacement frequency

- Body protection** : Wear work clothing with long sleeves.  
Non-skid safety shoes or boots
- Respiratory protection** : None under normal use conditions. If these are not sufficient to maintain exposure below the OEL, suitable respiratory protection must be worn (Type A/P1).
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature (20°C / 68°F) and pressure (1013 hPa) unless otherwise indicated

### 9.1 Information on basic physical and chemical properties

#### Appearance

- Physical state** : Liquid. [limpid]
- Color** : Brown.
- Odor** : Characteristic.
- pH** : Not applicable. Product is non-soluble (in water).
- Melting point/freezing point** : Technically not possible to measure
- Initial boiling point and boiling range** : >300°C [ISO 3405]
- Flash point** : Open cup: 221°C [ISO 2592]
- Flammability** : Not applicable.
- Lower and upper explosion limit** : Lower: 0.9%  
Upper: 7%
- Vapor pressure** : <0.01 kPa [room temperature]  
Not applicable. [50°C]
- Vapor density** : >2 [Air = 1]
- Relative density** : 0.881 to 0.901 [ISO 12185]
- Density** : 0.881 to 0.901 g/cm<sup>3</sup> [15°C] [ISO 12185]
- Solubility(ies)** :

| Media | Result      |
|-------|-------------|
| water | Not soluble |

- Solubility in water** : 0.873 g/l
- Miscible with water** : No.
- Partition coefficient: n-octanol/ water** : Not applicable.



**TotalEnergies**

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**Auto-ignition temperature** : >250°C [ASTM E 59]  
**Decomposition temperature** : Not applicable.  
**Viscosity** : Dynamic (room temperature): Not available.  
Kinematic (room temperature): Not available.  
Kinematic (40°C): 97 mm<sup>2</sup>/s

## Particle characteristics

**Median particle size** : Not applicable.

## 9.2 Other information

**Pour point** : -36°C (-32.8°F)

## SECTION 10: Stability and reactivity

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

**10.2 Chemical stability** : Stable under recommended storage and handling conditions (see Section 7).

**10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4 Conditions to avoid** : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.

**10.5 Incompatible materials** : Strong oxidizing agents

**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

| Product/substance                                                                      | Result                          | Species | Dose        | Exposure | Test                                    |
|----------------------------------------------------------------------------------------|---------------------------------|---------|-------------|----------|-----------------------------------------|
| Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts | LD50 Dermal                     | Rabbit  | >5000 mg/kg | -        | OECD 402<br>Acute<br>Dermal<br>Toxicity |
|                                                                                        | LD50 Oral                       | Rat     | 3.4 g/kg    | -        | OECD 401<br>Acute Oral<br>Toxicity      |
| Calcium long chain alkaryl sulfonate                                                   | LC50 Inhalation Dusts and mists | Rat     | 5.1 mg/l    | 4 hours  | -                                       |
|                                                                                        | LC50 Inhalation Vapor           | Rat     | 80.4 mg/l   | 1 hours  | -                                       |
|                                                                                        | LC50 Inhalation Vapor           | Rat     | 20.1 mg/l   | 4 hours  | -                                       |

#### Acute toxicity estimates

**TotalEnergies**

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| Product/substance                                                                      | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|----------------------------------------------------------------------------------------|--------------|----------------|--------------------------|----------------------------|-------------------------------------|
| Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts | 3400         | N/A            | N/A                      | N/A                        | N/A                                 |
| Calcium long chain alkaryl sulfonate                                                   | N/A          | N/A            | N/A                      | 20.1                       | 5.1                                 |

**Conclusion/Summary** : Based on available data, the classification criteria are not met.**Irritation/Corrosion**

| Product/substance                                                                      | Result                 | Species | Score | Exposure | Test                                                 |
|----------------------------------------------------------------------------------------|------------------------|---------|-------|----------|------------------------------------------------------|
| Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts | Eyes - Irritant        | Rabbit  | -     | -        | OECD 405                                             |
|                                                                                        | Skin - Edema           | Rabbit  | 0.5   | 4 hours  | OECD 404<br>Acute Dermal<br>Irritation/<br>Corrosion |
|                                                                                        | Skin - Erythema/Eschar | Rabbit  | 1.3   | 4 hours  | OECD 404                                             |

**Conclusion/Summary****Skin** : Based on available data, the classification criteria are not met.**Eyes** : Based on available data, the classification criteria are not met. The supplier of one or more of the components contained within this formulation has indicated that he has data on the components and/or similar mixtures, which confirms that at the concentration used, classification is not required.**Respiratory** : Based on available data, the classification criteria are not met.**Sensitization**

| Product/substance                                                                      | Route of exposure | Species    | Result          |
|----------------------------------------------------------------------------------------|-------------------|------------|-----------------|
| Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts | skin              | Guinea pig | Not sensitizing |

**Conclusion/Summary****Skin** : Based on available data, the classification criteria are not met. The supplier of one or more of the components contained within this formulation has indicated that he has data on the components and/or similar mixtures, which confirms that at the concentration used, classification is not required. Contains sensitizer. May produce an allergic reaction.**Respiratory** : Based on available data, the classification criteria are not met.**Mutagenicity**

| Product/substance                                                                      | Test                                             | Experiment                                                        | Result   |
|----------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------|----------|
| Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts | OECD 471                                         | Experiment: In vitro<br>Subject: Bacteria                         | Negative |
|                                                                                        | OECD 474 Mammalian Erythrocyte Micronucleus Test | Experiment: In vivo<br>Subject: Mammalian-Animal<br>Cell: Somatic | Negative |

**Conclusion/Summary** : Based on available data, the classification criteria are not met.**Carcinogenicity**



**Conclusion/Summary** : Based on available data, the classification criteria are not met.

**Reproductive toxicity**

| Product/substance                                                                      | Maternal toxicity | Fertility | Development toxin | Species | Dose                 | Exposure |
|----------------------------------------------------------------------------------------|-------------------|-----------|-------------------|---------|----------------------|----------|
| Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts | -                 | Negative  | Negative          | Rat     | Oral: 30 mg/kg NOAEL | -        |

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

**Teratogenicity**

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

**Specific target organ toxicity (single exposure)**

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

**Specific target organ toxicity (repeated exposure)**

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

**Aspiration hazard**

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

**Information on the likely routes of exposure** : Not available.

**Potential acute health effects**

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : Defatting to the skin. May cause skin dryness and irritation.  
**Ingestion** : No known significant effects or critical hazards.

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

**Eye contact** : No specific data.  
**Inhalation** : No specific data.  
**Skin contact** :  
irritation  
dryness  
cracking  
**Ingestion** : No specific data.

**Delayed and immediate effects and also chronic effects from short and long term exposure****Short term exposure**

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

**Long term exposure**

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

**Potential chronic health effects**

**TotalEnergies**

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| Product/substance                                                                      | Result               | Species | Dose      | Exposure |
|----------------------------------------------------------------------------------------|----------------------|---------|-----------|----------|
| Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts | Sub-acute NOAEL Oral | Rat     | 125 mg/kg | -        |

|                              |                                                     |
|------------------------------|-----------------------------------------------------|
| <b>Conclusion/Summary</b>    | : Not available.                                    |
| <b>General</b>               | : No known significant effects or critical hazards. |
| <b>Carcinogenicity</b>       | : No known significant effects or critical hazards. |
| <b>Mutagenicity</b>          | : No known significant effects or critical hazards. |
| <b>Reproductive toxicity</b> | : No known significant effects or critical hazards. |

## 11.2 Information on other hazards

### 11.2.1 Endocrine disrupting properties

This product does not contain any substance present at a concentration equal to or greater than 0.1% by mass, included in the list drawn up in accordance with article 59, paragraph 1 of the REACH Regulation, due to its endocrine disrupting properties, or a substance known to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation 2018/605.

### 11.2.2 Other information

Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

| Product/substance                                                                      | Result              | Species                                | Exposure | Test |
|----------------------------------------------------------------------------------------|---------------------|----------------------------------------|----------|------|
| Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts | Acute EC50 240 mg/l | Algae - <i>Desmodesmus subspicatus</i> | 72 hours | -    |
|                                                                                        | Acute EC50 75 mg/l  | Daphnia - <i>Daphnia magna</i>         | 48 hours | -    |
|                                                                                        | Acute LC50 4.4 mg/l | Fish                                   | 96 hours | -    |

|                           |                  |
|---------------------------|------------------|
| <b>Conclusion/Summary</b> | : Not available. |
|---------------------------|------------------|

### 12.2 Persistence and degradability

|                           |                  |
|---------------------------|------------------|
| <b>Conclusion/Summary</b> | : Not available. |
|---------------------------|------------------|

| Product/substance                    | Aquatic half-life | Photolysis | Biodegradability |
|--------------------------------------|-------------------|------------|------------------|
| Calcium long chain alkaryl sulfonate | -                 | -          | Not readily      |

### 12.3 Bioaccumulative potential

| Product/substance                                                                      | LogK <sub>ow</sub> | BCF | Potential |
|----------------------------------------------------------------------------------------|--------------------|-----|-----------|
| Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts | 4                  | -   | High      |

### 12.4 Mobility in soil

|                                                          |                  |
|----------------------------------------------------------|------------------|
| <b>Soil/water partition coefficient (K<sub>oc</sub>)</b> | : Not available. |
|----------------------------------------------------------|------------------|

|                 |                  |
|-----------------|------------------|
| <b>Mobility</b> | : Not available. |
|-----------------|------------------|

**Mobility in soil** : Given its physical and chemical characteristics, the product generally shows low soil mobility The product is insoluble and floats on water Loss by evaporation is limited

## 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB in a concentration  $\geq 0,1\%$ .

## 12.6 Endocrine disrupting properties

This product does not contain any substance present at a concentration equal to or greater than 0.1% by mass, included in the list drawn up in accordance with article 59, paragraph 1 of the REACH Regulation, due to its endocrine disrupting properties, or a substance known to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation 2018/605.

## 12.7 Other adverse effects

No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

**Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** : Yes.  
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used. The following Waste Codes are only suggestions: 13 02 05\*

#### Packaging

**Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

|                                        | ADR/RID        | ADN            | IMDG           | ICAO/IATA      |
|----------------------------------------|----------------|----------------|----------------|----------------|
| <b>14.1 UN number or ID number</b>     | Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| <b>14.2 UN proper shipping name</b>    | -              | -              | -              | -              |
| <b>14.3 Transport hazard class(es)</b> | -              | -              | -              | -              |
| <b>14.4 Packing group</b>              | -              | -              | -              | -              |
|                                        |                |                |                |                |



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|                                  |     |     |     |     |
|----------------------------------|-----|-----|-----|-----|
| 14.5<br>Environmental<br>hazards | No. | No. | No. | No. |
|----------------------------------|-----|-----|-----|-----|

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Maritime transport in bulk according to IMO instruments** : Not available.

## SECTION 15: Regulatory information

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

### EU Regulation (EC) No. 1907/2006 (REACH)

#### Annex XIV - List of substances subject to authorization

##### Annex XIV

None of the components are listed.

##### Substances of very high concern

None of the components are listed.

#### Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

**Labeling** : Not applicable.

#### Other EU regulations

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

**Industrial emissions** : Not listed

(integrated pollution  
prevention and control) -  
Air

**Industrial emissions** : Not listed

(integrated pollution  
prevention and control) -  
Water

**Explosive precursors** : Not applicable.

#### Ozone depleting substances (1005/2009/EU)

Not listed.

#### Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

#### Persistent Organic Pollutants

Not listed.

#### Seveso Directive

This product is not controlled under the Seveso Directive.

#### National regulations



| Product/ingredient name                                | List name                                    | Name on list               | Classification | Notes |
|--------------------------------------------------------|----------------------------------------------|----------------------------|----------------|-------|
| Distillates (petroleum), hydrotreated heavy paraffinic | Work environment authority Regulation 2018:1 | mineralolja, gammal använd | Carc           | -     |
| Distillates (petroleum), hydrotreated heavy paraffinic | Work environment authority Regulation 2018:1 | mineralolja, gammal använd | Carc           | -     |

**International regulations****Chemical Weapon Convention List Schedules I, II & III Chemicals**

Not listed.

**Montreal Protocol**

Not listed.

**Stockholm Convention on Persistent Organic Pollutants**

Not listed.

**Rotterdam Convention on Prior Informed Consent (PIC)**

Not listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

**LU - Luxembourg prohibited chemicals in the workplace**

Not listed.

**Inventory list****Australia inventory (AIIIC)**

: All components are listed or exempted.

**Canada inventory (DSL/NDL)**

: All components are listed or exempted.

**China inventory (IECSC)**

: At least one component is not listed.

**Europe inventory (EC)**

: All components are listed or exempted.

**Japan inventory**: **Japan inventory (CSCL):** All components are listed or exempted.**Japan inventory (ISHL):** All components are listed or exempted.**New Zealand Inventory of Chemicals (NZIoC)**

: All components are listed or exempted.

**Philippines inventory (PICCS)**

: All components are listed or exempted.

**Korea inventory (KECI)**

: All components are listed or exempted.

**Taiwan Chemical Substances Inventory (TCSI)**

: All components are listed or exempted.

**Thailand inventory**

: Not determined.

**Turkey inventory**

: Not determined.

**United States inventory (TSCA 8b)**

: All components are listed or exempted.

**Vietnam inventory**

: Not determined.



The information stated in this section relates solely to the conformity of the chemical product with the countries Inventories. The information used to confirm the inventory status of this product may be based on additional data to the chemical composition shown in Section 3. Other regulations may apply for importation or marketing authorizations.

#### 15.2 Chemical Safety Assessment

: Risk management measures and safety conditions of use are included in the relevant sections of the SDS

### SECTION 16: Other information

Indicates information that has changed from previously issued version.

#### Abbreviations and acronyms

: ACGIH = American Conference of Governmental Industrial Hygienists  
 ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
 DNEL = Derived No Effect Level  
 DMEL = Derived Minimal Effect Level  
 DMSO = Dimethyl Sulfoxide  
 EL50 = median Effective Loading  
 EUH statement = CLP-specific Hazard statement  
 HSE = Health, Safety and Environment  
 IC50 = Half maximal inhibitory concentration  
 IDHL = Immediately dangerous to life or health  
 LC50 = Median lethal concentration  
 LD50 = Median lethal dose  
 LL50 = median Lethal Loading  
 LogKow = logarithm of the octanol/water partition coefficient  
 N/A = Not available  
 NIOSH = National Institute of Occupational Safety and Health  
 NOAEL = No Observed Adverse Effect Level  
 NOEC = No Observed Effect Concentration  
 NOEL = No Observed Effect Level  
 NOELR = No observed Effect Loading Rate  
 OECD = Organisation for Economic Co-operation and Development  
 OEL = Occupational Exposure Limit  
 PBT = Persistent, Bioaccumulative and Toxic  
 PNEC = Predicted No Effect Concentration  
 QSAR = Quantitative Structure–Activity Relationship  
 REL = Recommended Exposure Limit  
 STEL = Short Term Exposure Limit  
 TLV = Threshold Limit Value  
 TWA = Time Weight Average  
 VOC = Volatile Organic Compound  
 vPvB = Very Persistent and Very Bioaccumulative  
 Unique Formula Identifier (UFI)  
 UVCB Substance of unknown or Variable composition, Complex reaction products or Biological material

#### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

| Classification  | Justification |
|-----------------|---------------|
| Not classified. |               |

#### Full text of abbreviated H statements

|                                       |                                                                                                                                                                                                                    |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H304<br>H317<br>H318<br>H361d<br>H411 | May be fatal if swallowed and enters airways.<br>May cause an allergic skin reaction.<br>Causes serious eye damage.<br>Suspected of damaging the unborn child.<br>Toxic to aquatic life with long lasting effects. |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



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## Full text of classifications [CLP/GHS]

|                                                                            |                                                                                                                                                                                                        |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aquatic Chronic 2<br>Asp. Tox. 1<br>Eye Dam. 1<br>Repr. 2<br>Skin Sens. 1B | AQUATIC HAZARD (LONG-TERM) - Category 2<br>ASPIRATION HAZARD - Category 1<br>SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1<br>TOXIC TO REPRODUCTION - Category 2<br>SKIN SENSITIZATION - Category 1B |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Date of revision** : 2024/08/07

**previous revision date** : 2024/08/06

**Version** : 3.02

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.