# SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

# TALUSIA UNIVERSAL 100

**SDS # :** 082122

**previous revision date** : 2023/11/16

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

### 1.1 Product identifier

**Product name** : TALUSIA UNIVERSAL 100

### 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'ile
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 España S.A.U.
Ribera del Loira 46.
28042 MADRID
ESPANA
Tel: +34 91 722 08 40
Fax: +34 91 722 08 60
rm.es-atencion-clientes@totalenergies.com

**Contact**

H.S.E

### 1.4 Emergency telephone number

**National advisory body/Poison Center**

**Telephone number** : For declared products :
Toxicological Information Service (SIT): +34 91 562 04 20

**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.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

**Signal word** : No signal word.

**Hazard statements** : No known significant effects or critical hazards.

**Precautionary statements**

**Prevention** : Not applicable.

**Response** : Not applicable.

**Storage** : Not applicable.

**Disposal** : Not applicable.

**Supplemental label elements** : Contains Benzoic acid, 2-hydroxy-, mono-C>13-alkyl derivs., calcium salts (2:1).
May produce an allergic reaction.
Safety data sheet available on request.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : 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 >= 0,1 %.

**Other hazards which do not result in classification** : This product contains substance(s), present at a concentration equal to or greater than 0.1% by mass, known to have endocrine disrupting properties included in the list drawn up in accordance in Article 59 of the REACh Regulation or in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.
Phenol,dodecyl-,branched ; EC: 310-154-3: Endocrine disrupting properties (Human Health, Environment).

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 |
|---|---|---|---|---|---|
| mineral oil | - | ≥10 - ≤25 | Asp. Tox. 1, H304 | - | [1] |
| Calcium branched alkyl phenate sulphide (overbased) | - | ≤10 | Aquatic Chronic 4, H413 | - | [1] |
| Phenol, dodecyl-, branched | REACH #: 01-2119513207-49<br>EC: 310-154-3<br>CAS: 121158-58-5 | ≤0.3 | Skin Corr. 1C, H314<br>Eye Dam. 1, H318<br>Repr. 1B, H360F<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 | M [Acute] = 10<br>M [Chronic] = 10 | [1] [2] |
| Benzoic acid, 2-hydroxy-, mono-C>13-alkyl derivs., calcium salts (2:1) | EC: 281-018-8<br>CAS: 83846-43-9 | ≤0.3 | Skin Sens. 1, H317 | - | [1] |

| | | | | | |
|---|---|---|---|---|---|
| | | | **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 of equivalent concern

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. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

**Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**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. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Ingestion** : Wash out mouth with water. Remove dentures if any. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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

**Over-exposure signs/symptoms**

**Eye contact** : No specific data.

**Inhalation** : No specific data.

**Skin contact** : Adverse symptoms may include the following:
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, $CO_2$, 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<br>carbon dioxide<br>sulfur oxides<br>Hydrogen sulfide<br>Mercaptans |

### 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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. Wash spillages into an effluent treatment plant or proceed as follows. 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.<br>See Section 8 for information on appropriate personal protective equipment.<br>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**

No exposure limit value known.

**Reportable hazardous constituent(s) contained in UVCB and/or multi-constituent substance(s) complying with the classification criteria and/or with an exposure limit (OEL)**

No exposure limit value known.

**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/m3, NIOSH (REL) TWA 5 mg/m3, STEL 10 mg/m3, ACGIH (TLV) TWA 5 mg/m3 (highly refined)

**DNELs/DMELs**

| Product/substance | Type | Exposure | Value | Population | Effects |
|---|---|---|---|---|---|
| Phenol, dodecyl-, branched | DNEL | Long term Inhalation | 1.762 mg/m³ | Workers | Systemic |
| | DNEL | Long term Oral | 0.075 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 0.075 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 0.25 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 0.79 mg/m³ | General population | Systemic |
| | DNEL | Short term Oral | 1.26 mg/kg bw/day | General population | Systemic |
| | DNEL | Short term Inhalation | 13.26 mg/m³ | General population | Systemic |
| | DNEL | Short term Inhalation | 44.18 mg/m³ | Workers | Systemic |
| | DNEL | Short term Dermal | 50 mg/kg bw/day | General population | Systemic |
| | DNEL | Short term Dermal | 166 mg/kg bw/day | Workers | Systemic |

**PNECs**

| Product/ingredient name | Compartment Detail | Name | Method Detail |
|---|---|---|---|
| Phenol, dodecyl-, branched | Fresh water | 0.000074 mg/l | - |
| | Marine water | 0.0000074 mg/l | - |
| | Fresh water sediment | 0.226 mg/kg dwt | - |
| | Marine water sediment | 0.0226 mg/kg dwt | - |
| | Soil | 0.118 mg/kg dwt | - |
| | Sewage Treatment Plant | 100 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** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
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** : Black.

**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** : >316°C [ISO 3405]

**Flash point** : Open cup: 230°C [ISO 2592]

**Flammability** : Not applicable.

**Lower and upper explosion limit** : Lower: 0.9%
Upper: 7%

**Vapor pressure** : <0.013 kPa [room temperature]
Not applicable. [50°C]

**Vapor density** : >2 [Air = 1]

**Relative density** : 0.926 to 0.946 [ISO 12185]

**Density** : 0.926 to 0.946 g/cm³ [15°C] [ISO 12185]

**Solubility(ies)** :

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

**Miscible with water** : No.

| | | |
|---|---|---|
| **Partition coefficient: n-octanol/ water** | : | Not applicable. |
| **Auto-ignition temperature** | : | >230°C [ASTM E 659] |
| **Decomposition temperature** | : | Not applicable. |
| **Viscosity** | : | Kinematic (40°C): 225 $mm^2/s$ [ASTM D 445] |

**Particle characteristics**

| | | |
|---|---|---|
| **Median particle size** | : | Not applicable. |

### 9.2 Other information

No other relevant physical and chemical parameters for the safe use of the product

## 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** | : | carbon monoxide<br>carbon dioxide<br>sulfur oxides<br>Hydrogen sulfide<br>Mercaptans |

## 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 |
|---|---|---|---|---|---|
| Phenol, dodecyl-, branched | LC50 Inhalation Dusts and mists | Rat | 5.1 mg/l | 4 hours | - |
| | LD50 Dermal | Rabbit - Male | 15000 mg/kg | - | OECD 402 |
| | LD50 Oral | Rat - Male, Female | 2100 mg/kg | - | OECD 401 |

**Acute toxicity estimates**

| Product/substance | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|---|---|---|---|---|---|
| Phenol, dodecyl-, branched | 2100 | 15000 | N/A | N/A | 5.1 |

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

**Irritation/Corrosion**

| Product/substance | Result | Species | Score | Exposure | Test |
|---|---|---|---|---|---|
| Phenol, dodecyl-, branched | Eyes - Iris lesion<br>Skin - Irritant | Rabbit<br>Rabbit | 0<br>- | -<br>- | OECD 405<br>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.

**Respiratory** : Based on available data, the classification criteria are not met.

**Sensitization**

| Product/substance | Route of exposure | Species | Result |
|---|---|---|---|
| Phenol, dodecyl-, branched | skin | Guinea pig | Not sensitizing |

**Conclusion/Summary**

**Skin** : Based on available data, the classification criteria are not met. Contains sensitizer. May produce an allergic reaction.

**Respiratory** : Based on available data, the classification criteria are not met.

**Mutagenicity**

| Product/substance | Test | Experiment | Result |
|---|---|---|---|
| Phenol, dodecyl-, branched | OECD 471<br><br>OECD 476<br><br>OECD 474 | Experiment: In vitro<br>Subject: Bacteria<br>Experiment: In vitro<br>Subject: Mammalian-Animal<br>Experiment: In vivo<br>Subject: Mammalian-Animal | Negative<br><br>Negative<br><br>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 |
|---|---|---|---|---|---|---|
| Phenol, dodecyl-, branched | - | Positive | - | Rat - Male, Female | Oral: 15 mg/kg NOAEL | - |

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

**Teratogenicity**

| Product/substance | Result | Species | Dose | Exposure |
|---|---|---|---|---|
| Phenol, dodecyl-, branched | Positive - Oral | Rat - Female | - | - |

**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**

| Product/substance | Result |
|---|---|
| mineral oil | ASPIRATION HAZARD - Category 1 |

**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** : Adverse symptoms may include the following:
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**

| Product/substance | Result | Species | Dose | Exposure |
|---|---|---|---|---|
| Phenol, dodecyl-, branched | Sub-chronic NOAEL Oral | Rat - Male, Female | 60 mg/kg | - |

**Conclusion/Summary** : Not available.

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Reproductive toxicity** : No known significant effects or critical hazards.

### 11.2 Information on other hazards

#### 11.2.1 Endocrine disrupting properties

This product contains substance(s), present at a concentration equal to or greater than 0.1% by mass, known to have endocrine disrupting properties included in the list drawn up in accordance in Article 59 of the REACh Regulation or in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

#### 11.2.2 Other information

Not available.

## SECTION 12: Ecological information

This product contains one or more components that have a branched alkylphenol impurity which is very toxic to aquatic life (disclosed in section 3). Components containing the impurity have been tested and are not toxic to aquatic life. Therefore, the data in Section 3 for the alkylphenol impurity should not be used to classify the product for aquatic toxicity

### 12.1 Toxicity

| Product/substance | Result | Species | Exposure | Test |
|---|---|---|---|---|
| Calcium branched alkyl phenate sulphide (overbased) | Acute EC50 1000 mg/l | Daphnia - *Cladocère* | 48 hours | - |
| | Acute LC50 1000 mg/l | Fish | 96 hours | - |
| Phenol, dodecyl-, branched | Acute EC50 0.36 mg/l | Algae - *Scenedesmus subspicatus* | 72 hours | OECD 201 |
| | Acute EC50 0.037 mg/l | Daphnia - *Daphnia magna* | 48 hours | OECD 202 |
| | Acute LC50 40 mg/l | Fish | 96 hours | - |
| | Acute NOEC 0.0037 mg/l | Daphnia - *Daphnia magna* | 21 days | OECD 211 |

**Conclusion/Summary** : Not available.

### 12.2 Persistence and degradability

**Conclusion/Summary** : Not available.

| Product/substance | Aquatic half-life | Photolysis | Biodegradability |
|---|---|---|---|
| Phenol, dodecyl-, branched | - | - | Not readily |

### 12.3 Bioaccumulative potential

| Product/substance | $LogK_{ow}$ | BCF | Potential |
|---|---|---|---|
| Calcium branched alkyl phenate sulphide (overbased) | 11.08 | - | High |
| Phenol, dodecyl-, branched | 7.14 | 794.33 | High |

### 12.4 Mobility in soil

**Soil/water partition coefficient ($K_{OC}$)** : Not available.

**Mobility** : 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 >= 0,1 %.

### 12.6 Endocrine disrupting properties

This product contains substance(s), present at a concentration equal to or greater than 0.1% by mass, known to have endocrine disrupting properties included in the list drawn up in accordance in Article 59 of the REACh Regulation or in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 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 |
|---|---|---|---|---|
| **14.1 UN number or ID number** | Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| **14.2 UN proper shipping name** | - | - | - | - |
| **14.3 Transport hazard class(es)** | - | - | - | - |
| **14.4 Packing group** | - | - | - | - |
| **14.5 Environmental 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**

| Ingredient name | Intrinsic property | Status | Reference number | Date of revision |
|---|---|---|---|---|
| Phenol, dodecyl-, branched | Toxic to reproduction | Candidate | - | - |
| Phenol, dodecyl-, branched | Substance of equivalent concern for human health | Candidate | - | - |
| Phenol, dodecyl-, branched | Substance of equivalent concern for environment | Candidate | - | - |
| Tetrapropenyl phenol; p-dodecylphenol; Phenol, dodecyl-, branched; Phenol, (tetrapropenyl) derivs | Endocrine disrupting properties for human health | Candidate | D(2021) 4569-DC | 7/8/2021 |
| Tetrapropenyl phenol; p-dodecylphenol; Phenol, dodecyl-, branched; Phenol, (tetrapropenyl) derivs | Endocrine disrupting properties for environment | Candidate | D(2021) 4569-DC | 7/8/2021 |

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

**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 (integrated pollution prevention and control) - Air** : Not listed

**Industrial emissions (integrated pollution prevention and control) - Water** : Not listed

**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**

**National regulatory information**

The Safety Data Sheet has been prepared in accordance with Annex II of Reagulation No 1907/2006 and its amendment Regulation 830/2015

**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 (AIIC)** | : All components are listed or exempted. |
| **Canada inventory (DSL/NDSL)** | : All components are listed or exempted. |
| **China inventory (IECSC)** | : Not determined. |
| **Europe inventory (EC)** | : All components are listed or exempted. |
| **Japan inventory** | : **Japan inventory (CSCL)**: All components are listed or exempted.<br>**Japan inventory (ISHL)**: Not determined. |
| **New Zealand Inventory of Chemicals (NZIoC)** | : All components are listed or exempted. |
| **Philippines inventory (PICCS)** | : All components are listed or exempted. |
| **Korea inventory (KECI)** | : Not determined. |
| **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
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DNEL = Derived No Effect Level
DMEL = Derived Minimal Effect Level
EL50 = median Effective Loading
EUH statement = CLP-specific Hazard statement
HSE = Health, Safety and Environment
IDHL = Immediately dangerous to life or health
LC50 = Median lethal concentration
LD50 = Median lethal dose
LL50 = median Lethal Loading
N/A = Not available
NIOSH = National Institute of Occupational Safety and Health
NOAEL = No Observed Adverse Effect Level
NOEC No Observed Effect Concentration
OEL = Occupational Exposure Limit
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
QSAR = Quantitative Structure–Activity Relationship
REL = Recommanded Exposure Limit
STEL = Short Term Exposure Limit
TLV = Threshold Limit Value
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 | May be fatal if swallowed and enters airways. |
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H360F | May damage fertility. |
| 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. |

**Full text of classifications [CLP/GHS]**

| | |
|---|---|
| Aquatic Acute 1 | AQUATIC HAZARD (ACUTE) - Category 1 |
| Aquatic Chronic 1 | AQUATIC HAZARD (LONG-TERM) - Category 1 |
| Aquatic Chronic 4 | AQUATIC HAZARD (LONG-TERM) - Category 4 |
| Asp. Tox. 1 | ASPIRATION HAZARD - Category 1 |
| Eye Dam. 1 | SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 |
| Repr. 1B | TOXIC TO REPRODUCTION - Category 1B |
| Skin Corr. 1C | SKIN CORROSION/IRRITATION - Category 1C |
| Skin Sens. 1 | SKIN SENSITIZATION - Category 1 |

**Date of revision** : 2023/11/16
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**Version** : 3.03

**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.**