

**Safety Data Sheet according to Reg. (EC) n.1907/2006 (REACH) -  
OLDO LANA**

Safety Data Sheet dated 6/10/2023, version 8 ( replaces version 7 )

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

## 1.1. Product identifier

Mixture identification:

Trade name:

**OLDO LANA**

Trade code:

G14-001 / 002

UFI:

OVR0-NOFC-C00P-JCD5

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

Recommended use:

Liquid detergent for textiles. For professional use.

Products categories: PC35 - washing and cleaning products. This category includes water and solvent based products.

Use at industrial sites (IS). Widespread use by professional workers (PW).

Uses advised against:

Do not use for purposes other than those indicated.

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

Company:

Via Fiumicino San Mauro, 120/130 - 47039 – Savignano Sul Rubicone (FC) Italy

tel +39 0541 930058

**e-mail:** [gbm@gbmprodottichimici.it](mailto:gbm@gbmprodottichimici.it)**web site:** [www.gbmprodottichimici.it](http://www.gbmprodottichimici.it)

## 1.4. Emergency telephone number

+39 0541-930058 (Office Time)

**SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

Eye Dam. 1, H318 Causes serious eye damage.

Aquatic Chronic 3, H412 Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

## 2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P273 Avoid release to the environment.

P280 Wear protective gloves and eye/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 In case of malaise, contact a POISON CENTRE/doctor.

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P501.A Dispose of contents/container in accordance with applicable national and international regulations.

Special Provisions:

None

Contains

Benzenesulphonic acid, sodium salts.

Coco dietheanolamide

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one: May produce an allergic reaction.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$

Other Hazards:

No other hazards

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

3.1. Substances

N.A.

3.2. Mixtures












Ingredients according to EC Detergents Regulation 648/2004:

<5%: anionic surfactants, cationic surfactants, polycarboxylated.


















Between 5-15%: non-ionic surfactants.

Other compounds: perfume, amyl cinnamal, geraniol, linalool, 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one mixture

Hazardous components within the meaning of the CLP regulation and related classification:

| Qty                  | Name  | Ident. Number  | Classification   |
|----------------------|---|--|--|
| $\geq 1\%$ -<br>< 5% | Benzenesulphonic acid, sodium salts.                | CAS: 68411-30-3<br>EC: 270-115-0<br>REACH No.: 01-2119489428-22-XXXX                             |  3.1/4/Oral Acute Tox. 4 H302<br> 3.2/2 Skin Irrit. 2 H315<br> 3.3/1 Eye Dam. 1 H318<br> 4.1/C3 Aquatic Chronic 3 H412                               |
| $\geq 1\%$ -<br>< 5% | Coco dietheanolamide                                | EC: 931-329-6<br>REACH No.: 01-2119490100-53-XXXX  |  3.3/1 Eye Dam. 1 H318<br> 3.2/2 Skin Irrit. 2 H315<br> 4.1/C2 Aquatic Chronic 2 H411   |
| $\geq 1\%$ -<br>< 5% | 2-butoxyethanol;<br>ethylene glycol monobutyl ether | Index number: 603-014-00-0<br>CAS: 111-76-2<br>EC: 203-905-0<br>REACH No.: 01-2119475108-36-0005 |  3.1/3/Inhal Acute Tox. 3 H331<br> 3.1/4/Oral Acute Tox. 4 H302<br> 3.2/2 Skin Irrit. 2 H315<br> 3.3/2 Eye Irrit. 2 H319<br>Acute Toxicity Estimate: |

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|        |   |  |  |
|--------|---|--|--|
|        |   |  | ATE - Oral 1200 mg/kg bw<br>ATE - Inhalation (Vapours) 3 mg/l  |
| 89 ppm | Diphenyl ether  | CAS: 101-84-8<br>EC: 202-981-2<br>REACH No.: 01-2119472545-33-XXXX                               |  4.1/C2 Aquatic Chronic 2 H411<br> 3.3/2 Eye Irrit. 2 H319<br> 4.1/A1 Aquatic Acute 1 H400  |
| 9 ppm  | Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Index number: 613-167-00-5<br>CAS: 55965-84-9<br>EC: 611-341-5                                   |  3.1/1/Dermal Acute Tox. 1 H310<br> 3.1/3/Oral Acute Tox. 3 H301<br> 3.2/1C Skin Corr. 1C H314<br> 3.3/1 Eye Dam. 1 H318<br> 3.4.2/1A Skin Sens. 1A H317<br> 3.1/2/Inhal Acute Tox. 2 H330<br> 4.1/A1 Aquatic Acute 1 H400 M=100.<br> 4.1/C1 Aquatic Chronic 1 H410 M=100.<br>EUH071<br>Specific Concentration Limits:<br>C >= 0,6%: Eye Dam. 1 H318<br>C >= 0,6%: Skin Corr. 1C H314<br>0,06% <= C < 0.6%: Skin Irrit. 2 H315<br>0,06% <= C < 0.6%: Eye Irrit. 2 H319<br>C >= 0,0015%: Skin Sens. 1A H317 |
| <1 ppb | toluene   | Index number: 601-021-00-3<br>CAS: 108-88-3<br>EC: 203-625-9<br>REACH No.: 01-2119471310-51-XXXX |  2.6/2 Flam. Liq. 2 H225<br> 3.7/2 Repr. 2 H361<br> 3.10/1 Asp. Tox. 1 H304<br> 3.9/2 STOT RE 2 H373<br> 3.2/2 Skin Irrit. 2 H315<br> 3.8/3 STOT SE 3 H336   |

## **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

## **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

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

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

### 5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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

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

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

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In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

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

Wash with plenty of water.

**6.4. Reference to other sections**

See also section 8 and 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

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

Store the product only in its original closed containers, in a cool, dry and well-ventilated areas at temperatures below 0 °C and not higher than 40 °C.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

**7.3. Specific end use(s)**

None in particular

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

2-butoxyethanol; ethylene glycol monobutyl ether - CAS: 111-76-2

UE - TWA(8h): 98 mg/m<sup>3</sup>, 20 ppm - STEL: 246 mg/m<sup>3</sup>, 50 ppm - Notes: N.A.

ACGIH - TWA(8h): 20 ppm - Notes: N.A.

Diphenyl ether - CAS: 101-84-8

UE - TWA(8h): 7 mg/m<sup>3</sup>, 1 ppm - STEL: 14 mg/m<sup>3</sup>, 2 ppm

ACGIH - TWA(8h): 1 ppm - STEL: 2 ppm - Notes: N.A.

toluene - CAS: 108-88-3

UE - TWA(8h): 192 mg/m<sup>3</sup>, 50 ppm - STEL: 384 mg/m<sup>3</sup>, 100 ppm - Notes: N.A.

ACGIH - TWA(8h): 20 ppm - Notes: N.A.

**DNEL Exposure Limit Values**

Benzenesulphonic acid, sodium salts. - CAS: 68411-30-3

Worker Professional: 85 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 6 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 42.5 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 1.5 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 0.425 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

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## Coco diethanolamide

Consumer: 6.25 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

Consumer: 21.73 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 73.4 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 4.16 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 2.5 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

## 2-butoxyethanol; ethylene glycol monobutyl ether - CAS: 111-76-2

Worker Professional: 246 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects

Consumer: 6.3 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

Consumer: 147 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects

Consumer: 59 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 1091 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Consumer: 426 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Professional: 98 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 26.7 mg/kg b.w./day - Exposure: Human Oral - Frequency: Short Term, systemic effects

## Diphenyl ether - CAS: 101-84-8

Worker Professional: 59 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects - Endpoint: Repeated dose toxicity

Worker Professional: 7 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects - Endpoint: Repeated dose toxicity

Worker Professional: 9.68 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Professional: 25 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Endpoint: Repeated dose toxicity

Worker Professional: 0.15 mg/cm<sup>2</sup> - Exposure: Human Dermal - Frequency: Long Term, local effects

## PNEC Exposure Limit Values

## Benzenesulphonic acid, sodium salts. - CAS: 68411-30-3

Target: Fresh Water - Value: 0.268 mg/l

Target: Marine water - Value: 0.0268 mg/l

Target: Intermittent release - Value: 0.0167 mg/l

Target: Sewage treatment plant - Value: 3.43 mg/l

Target: Freshwater sediments - Value: 8.1 mg/kg dry weight

Target: Marine water sediments - Value: 6.8 mg/kg dry weight

Target: Soil - Value: 35 mg/kg dry weight

## Coco diethanolamide

Target: Fresh Water - Value: 0.007 mg/l

Target: Marine water - Value: 0.0007 mg/l

Target: Freshwater sediments - Value: 0.195 mg/kg

Target: Marine water sediments - Value: 0.0195 mg/kg

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Target: Microorganisms in sewage treatments - Value: 830 mg/l  
 Target: Intermittent release - Value: 0.024 mg/l  
 2-butoxyethanol; ethylene glycol monobutyl ether - CAS: 111-76-2  
 Target: Fresh Water - Value: 8.8 mg/l  
 Target: Marine water - Value: 0.88 mg/l  
 Target: Freshwater sediments - Value: 34.6 mg/kg dry weight  
 Target: Marine water sediments - Value: 3.46 mg/kg dry weight  
 Target: Intermittent release - Value: 26.4 mg/l  
 Target: Sewage treatment plant - Value: 463 mg/l  
 Target: Secondary poisoning - Value: 20 mg/kg  
 Target: Soil - Value: 2.33 mg/kg dry weight  
 Diphenyl ether - CAS: 101-84-8  
 Target: Fresh Water - Value: 0.0017 mg/l  
 Target: Marine water - Value: 0.00017 mg/l  
 Target: Intermittent release - Value: 0.017 mg/l  
 Target: Sewage treatment plant - Value: 10 mg/l  
 Target: Freshwater sediments - Value: 0.345 mg/kg dry weight  
 Target: Marine water sediments - Value: 0.0345 mg/kg dry weight  
 Target: Soil - Value: 0.0681 mg/kg dry weight

### 8.2. Exposure controls

Eye protection:

Eye glasses.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves resistant to chemicals. The choice of hand PPE must be made on the basis of its better resistance to chemical agents, taking into account the results of tests obtained in accordance with EN 374. Because of the great diversity of types, you should follow the instructions of the manufacturers. Suitable materials for short contact (recommended: at least protection index 2, corresponding to > 30 minutes permeation time according to EN 374). Butyl rubber - 0.7 mm thick. Suitable materials for direct and prolonged contact (recommended: protection index 6, corresponding > 460 minutes of permeation time according to EN 374) nitro-caoutchouc (NBR) - 0.4 mm thick.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

## SECTION 9: Physical and chemical properties

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

| Properties      | Value                        | Method: | Notes |
|-----------------|------------------------------|---------|-------|
| Physical state: | Liquid                       | --      | --    |
| Colour:         | straw yellow                 | --      | --    |
| Odour:          | CHARACTERISTIC FRAGRANT NOTE | --      | --    |

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|   |                    |    |    |
|---|--------------------|----|----|
| Melting point/freezing point:                             | N.A.               | -- | -- |
| Boiling point or initial boiling point and boiling range: | N.A.               | -- | -- |
| Flammability:   | N.A.               | -- | -- |
| Lower and upper explosion limit:                          | N.A.               | -- | -- |
| Flash point:  | NOT FLAMMABLE ° C  | -- | -- |
| Auto-ignition temperature:                                | NOT AUTO FLAMMABLE | -- | -- |
| Decomposition temperature:                                | N.A.               | -- | -- |
| pH:   | 6,5                | -- | -- |
| Kinematic viscosity:                                      | N.A.               | -- | -- |
| Solubility in water:                                      | COMPLETE           | -- | -- |
| Solubility in oil:  | N.A.               | -- | -- |
| Partition coefficient n-octanol/water (log value):        | N.A.               | -- | -- |
| Vapour pressure:  | N.A.               | -- | -- |
| Density and/or relative density:                          | 1.01 ± 0.05 kg/l   | -- | -- |
| Relative vapour density:                                  | .                  | -- | -- |

Particle characteristics:

|                |      |    |    |
|----------------|------|----|----|
| Particle size: | N.A. | -- | -- |
|----------------|------|----|----|

9.2. Other information

| Properties            | Value    | Method: | Notes |
|-----------------------|----------|---------|-------|
| Explosive properties: | ABSENT   | --      | --    |
| Miscibility:          | MISCIBLE | --      | --    |
| Oxidizing properties: | ABSENT   | --      | --    |

**SECTION 10: Stability and reactivity**

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

The product is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

None

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, are not known hazardous decomposition products.



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#### SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological information of the product:

OLDO LANA

- a) acute toxicity  
Not classified  
No data available for the product
- b) skin corrosion/irritation  
Not classified  
No data available for the product
- c) serious eye damage/irritation  
The product is classified: Eye Dam. 1 H318
- d) respiratory or skin sensitisation  
Not classified  
No data available for the product
- e) germ cell mutagenicity  
Not classified  
No data available for the product
- f) carcinogenicity  
Not classified  
No data available for the product
- g) reproductive toxicity  
Not classified  
No data available for the product
- h) STOT-single exposure  
Not classified  
No data available for the product
- i) STOT-repeated exposure  
Not classified  
No data available for the product
- j) aspiration hazard  
Not classified  
No data available for the product

Toxicological information of the main substances found in the product:

Benzenesulphonic acid, sodium salts. - CAS: 68411-30-3

- a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat = 1080 mg/kg - Harmful if ingested  
Route: Inhalation  
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Based on available data, the classification criteria are not met
- b) skin corrosion/irritation:  
Test: Skin Irritant - Species: Rabbit Yes - Causes skin irritation
- c) serious eye damage/irritation:  
Test: Eye Corrosive - Species: Rabbit Yes - Causes serious eye damage
- d) respiratory or skin sensitisation:  
Test: Maximisation Test - Species: Guinea pig Negative - Based on available data, the classification criteria are not met
- e) germ cell mutagenicity:  
Test: In vitro genotoxicity Negative - Based on available data, the classification criteria are not met  
Test: In vivo genotoxicity Negative - Based on available data, the classification criteria are not met
- f) carcinogenicity:

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## g) reproductive toxicity:

Based on available data, the classification criteria are not met

Test: Teratogenicity - Based on available data, the classification criteria are not met

## h) STOT-single exposure:

Negative - Based on available data, the classification criteria are not met

## i) STOT-repeated exposure:

Negative - Based on available data, the classification criteria are not met

Test: NOAEL - Route: Oral - Species: Rat = 125 mg/kg di b.w./day - Duration: 28d

Test: NOAEL - Species: Rat = 40 mg/kg di b.w./day - Duration: 6M

Test: NOAEL - Species: Rat = 85 mg/kg di b.w./day - Duration: 9M

## Toxicological kinetics, metabolism and distribution information:

## Coco diethanolamide

## a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat &gt; 2000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit &gt; 2000 mg/kg

## b) skin corrosion/irritation:

Test: Skin Irritant Positive - Causes skin irritation

## c) serious eye damage/irritation:

Test: Eye Corrosive Positive - Causes serious eye damage

## 2-butoxyethanol; ethylene glycol monobutyl ether - CAS: 111-76-2

## a) acute toxicity

ATE - Oral 1200 mg/kg bw

ATE - Inhalation (Vapours) 3 mg/l

Test: LD50 - Route: Oral - Species: Rat = 1746 mg/kg bw

Test: LC50 - Route: Inhalation - Species: Rat = 523 ppm - Duration: 4h

Test: LD50 - Route: Skin - Species: Rat &gt; 2000 mg/kg bw

Test: NOAEL(C) - Route: Oral - Species: Rat (male) 2 69 mg/kg dry weight - Duration: 90d

Test: NOAEL(C) - Route: Oral - Species: Rat (female) 2 82 mg/kg dry weight - Duration: 90d

Test: NOAEL(C) - Route: Skin - Species: Rabbit &gt; 150 mg/kg di b.w./day - Duration: 90d

Test: LOAEL(C) - Route: Inhalation - Species: Rat = 152 mg/m3

## b) skin corrosion/irritation:

Test: Skin Irritant Positive - Causes skin irritation

## c) serious eye damage/irritation:

Test: Eye Irritant Positive - Causes severe eye irritation

## d) respiratory or skin sensitisation:

Species: Guinea pig Negative - Based on available data, the classification criteria are not met

## e) germ cell mutagenicity:

Test: In vitro genotoxicity Negative

## g) reproductive toxicity:

Test: NOAEL(C) - Route: Oral - Species: Rabbit = 720 mg/kg di b.w./day

## Diphenyl ether - CAS: 101-84-8

## a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 2100 mg/kg bw

Test: LD50 - Route: Skin - Species: Rabbit = 5005 mg/kg bw

## Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one - CAS: 55965-84-9

## a) acute toxicity:

Test: LC50 - Route: Inhalation of dust and fog - Species: Rat = 0.31 mg/l - Duration: 4h

- Source: SDS

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## b) skin corrosion/irritation:

Test: Skin Corrosive Yes - Source: SDS - Causes severe skin burns

## c) serious eye damage/irritation:

Test: Eye Corrosive Yes - Source: SDS - Causes serious eye damage

## d) respiratory or skin sensitisation:

Test: Skin Sensitization - Route: Skin - Species: Guinea pig Yes - Source: OECD TG 406 - Notes: Maximisation Test; GLP: yes. - May cause sensitisation in contact with skin

Test: Skin Sensitization - Route: Skin - Species: Mouse Yes - Source: OECD TG 429 - Notes: Local lymphonode test (LLNA); GLP: yes. - The product is a skin sensitizer, subcategory 1A.

toluene - CAS: 108-88-3

## a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat &gt; 5000 mg/kg bw

Test: LD50 - Route: Skin - Species: Rabbit &gt; 5000 mg/kg bw

Test: LD50 - Route: Inhalation - Species: Rat &gt; 20 mg/l - Duration: 4h

## 11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration  $\geq 0.1\%$ **SECTION 12: Ecological information**

## 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

## OLDO LANA

The product is classified: Aquatic Chronic 3 - H412

Benzenesulphonic acid, sodium salts. - CAS: 68411-30-3

## a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish &gt; 1-10 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia &gt; 1-10 mg/l - Duration h: 48

## b) Aquatic chronic toxicity:

Endpoint: NOEC (196d) - Species: Fish &gt; 0.1-1 mg/l

Endpoint: NOEC (21d) - Species: Daphnia &gt; 1-10 mg/l

## d) Terrestrial toxicity:

Endpoint: EC10 (28D) = 71.7 mg/kg

Endpoint: EC10 = 107.6 mg/kg

Endpoint: NOEC - Species: Terrestrial plants = 100 mg/kg

Endpoint: EC10 - Species: Terrestrial plants = 86 mg/kg

Endpoint: NOEC - Species: Terrestrial plants = 52 mg/kg

## e) Plant toxicity:

Endpoint: EC50 - Species: Algae &gt; 10-100 mg/l - Duration h: 72

Endpoint: NOEC (28D) &gt; 4 mg/l

Endpoint: EC50 &gt; 1-10 mg/l - Duration h: 168

## g) Toxicity to aquatic invertebrates:

Endpoint: NOEC (32d) - Species: Aquatic invertebrates &gt; 1-10 mg/l

## Coco diethanolamide

## a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 2.4 mg/l - Duration h: 96

Endpoint: EC50 - Species: Crustaceans = 3.2 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 3.9 mg/l - Duration h: 72

## b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 1 mg/l

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- Endpoint: NOEC - Species: Crustaceans = 0.07 mg/l  
2-butoxyethanol; ethylene glycol monobutyl ether - CAS: 111-76-2
- a) Aquatic acute toxicity:  
Endpoint: LC50 - Species: Fish = 1474 mg/l - Duration h: 96  
Endpoint: EC50 - Species: Crustaceans = 1550 mg/l - Duration h: 48  
Endpoint: EC50 - Species: Algae = 911 mg/l - Duration h: 72
- b) Aquatic chronic toxicity:  
Endpoint: NOEC - Species: Fish > 100 mg/l
- Diphenyl ether - CAS: 101-84-8
- a) Aquatic acute toxicity:  
Endpoint: LC50 - Species: Fish = 10 mg/l - Duration h: 24  
Endpoint: LC50 - Species: Fish = 1-2.4 mg/l - Duration h: 96  
Endpoint: LC50 - Species: Fish = 3 mg/l - Duration h: 48  
Endpoint: EC50 - Species: Daphnia = 1.7 mg/l - Duration h: 48
- Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one - CAS: 55965-84-9
- a) Aquatic acute toxicity:  
Endpoint: EC50 - Species: Daphnia = 1.02 mg/l - Duration h: 48 - Notes: Daphnia magna.  
Endpoint: EC50 - Species: Algae = 0.379 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata; OECD TG 201  
Endpoint: LC50 - Species: Fish = 0.58 mg/l - Duration h: 96 - Notes: Danio rerio.  
Endpoint: M Factor (acute) = 100
- b) Aquatic chronic toxicity:  
Endpoint: EC10 - Species: Algae = 0.188 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata; OECD TG 201  
Endpoint: M Factor (Chronic) = 100
- 12.2. Persistence and degradability
- None
- OLDO LANA
- Biodegradability: The product contains only readily biodegradable surfactants meet the criteria laid down in Regulation detergents EU (EC/648/2004).
- Benzenesulphonic acid, sodium salts. - CAS: 68411-30-3  
Biodegradability: Readily biodegradable - Duration: 28d - %: 60
- Coco diethanolamide  
Biodegradability: Biodegradable - %: 92.5
- 2-butoxyethanol; ethylene glycol monobutyl ether - CAS: 111-76-2  
Biodegradability: Readily biodegradable - Duration: 28d - %: 90.4
- Diphenyl ether - CAS: 101-84-8  
Biodegradability: Readily biodegradable - %: 100
- Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one - CAS: 55965-84-9  
Biodegradability: Non-readily biodegradable
- 12.3. Bioaccumulative potential
- Benzenesulphonic acid, sodium salts. - CAS: 68411-30-3  
Bioaccumulation: Does not accumulate significantly in organisms - Test: BCF - Bioconcentration factor 2-1000 - Duration: 192h
- Coco diethanolamide  
Test: Log Kow 3.75
- 2-butoxyethanol; ethylene glycol monobutyl ether - CAS: 111-76-2  
Bioaccumulation: Not bioaccumulative
- Diphenyl ether - CAS: 101-84-8  
Bioaccumulation: Bioaccumulation factor - Test: BCF - Bioconcentration factor 196

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- 12.4. Mobility in soil  
Benzenesulphonic acid, sodium salts. - CAS: 68411-30-3  
Mobility in soil: 9  
Coco diethanolamide  
Mobility in soil: The substance is soluble and mobile in water and soil  
2-butoxyethanol; ethylene glycol monobutyl ether - CAS: 111-76-2  
Mobility in soil: The product has very high mobility potential
- 12.5. Results of PBT and vPvB assessment  
vPvB Substances: None - PBT Substances: None
- 12.6. Endocrine disrupting properties  
No endocrine disruptor substances present in concentration  $\geq 0.1\%$
- 12.7. Other adverse effects  
None

**SECTION 13: Disposal considerations**

- 13.1. Waste treatment methods  
Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

**SECTION 14: Transport information**

- 14.1. UN number or ID number  
Not classified as dangerous in the meaning of transport regulations.
- 14.2. UN proper shipping name  
N.A.
- 14.3. Transport hazard class(es)  
N.A.
- 14.4. Packing group  
N.A.
- 14.5. Environmental hazards  
ADN-Environmentally hazardous in tank-vessels:  
N.A.
- 14.6. Special precautions for user  
N.A.
- 14.7. Maritime transport in bulk according to IMO instruments  
N.A.

**SECTION 15: Regulatory information**

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
Dir. 98/24/EC (Risks related to chemical agents at work)  
Dir. 2000/39/EC (Occupational exposure limit values)  
Regulation (EC) n. 1907/2006 (REACH)  
Regulation (EC) n. 1272/2008 (CLP)  
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
Regulation (EU) n. 2020/878  
Regulation (EU) n. 286/2011 (ATP 2 CLP)  
Regulation (EU) n. 618/2012 (ATP 3 CLP)  
Regulation (EU) n. 487/2013 (ATP 4 CLP)  
Regulation (EU) n. 944/2013 (ATP 5 CLP)  
Regulation (EU) n. 605/2014 (ATP 6 CLP)  
Regulation (EU) n. 2015/1221 (ATP 7 CLP)  
Regulation (EU) n. 2016/918 (ATP 8 CLP)  
Regulation (EU) n. 2016/1179 (ATP 9 CLP)

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Regulation (EU) n. 2017/776 (ATP 10 CLP)  
Regulation (EU) n. 2018/669 (ATP 11 CLP)  
Regulation (EU) n. 2018/1480 (ATP 13 CLP)  
Regulation (EU) n. 2019/521 (ATP 12 CLP)  
Regulation (EU) n. 2020/217 (ATP 14 CLP)  
Regulation (EU) n. 2020/1182 (ATP 15 CLP)  
Regulation (EU) n. 2021/643 (ATP 16 CLP)  
Regulation (EU) n. 2021/849 (ATP 17 CLP)  
Regulation (EU) n. 2022/692 (ATP 18 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restriction 40

Restrictions related to the substances contained:

Restriction 48

Restriction 75

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

#### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

### **SECTION 16: Other information**

Full text of phrases referred to in Section 3:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

H331 Toxic if inhaled.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H310 Fatal in contact with skin.

H301 Toxic if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H330 Fatal if inhaled.

H410 Very toxic to aquatic life with long lasting effects.

EUH071 Corrosive to the respiratory tract.

H225 Highly flammable liquid and vapour.

H361 Suspected of damaging fertility or the unborn child.

H304 May be fatal if swallowed and enters airways.

H373 May cause damage to organs through prolonged or repeated exposure.

H336 May cause drowsiness or dizziness.

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| Hazard class and hazard category | Code         | Description  |
|----------------------------------|--------------|--|
| Flam. Liq. 2                     | 2.6/2        | Flammable liquid, Category 2                                   |
| Acute Tox. 1                     | 3.1/1/Dermal | Acute toxicity (dermal), Category 1                            |
| Acute Tox. 2                     | 3.1/2/Inhal  | Acute toxicity (inhalation), Category 2                        |
| Acute Tox. 3                     | 3.1/3/Inhal  | Acute toxicity (inhalation), Category 3                        |
| Acute Tox. 3                     | 3.1/3/Oral   | Acute toxicity (oral), Category 3                              |
| Acute Tox. 4                     | 3.1/4/Oral   | Acute toxicity (oral), Category 4                              |
| Asp. Tox. 1                      | 3.10/1       | Aspiration hazard, Category 1                                  |
| Skin Corr. 1C                    | 3.2/1C       | Skin corrosion, Category 1C                                    |
| Skin Irrit. 2                    | 3.2/2        | Skin irritation, Category 2                                    |
| Eye Dam. 1                       | 3.3/1        | Serious eye damage, Category 1                                 |
| Eye Irrit. 2                     | 3.3/2        | Eye irritation, Category 2                                     |
| Skin Sens. 1A                    | 3.4.2/1A     | Skin Sensitisation, Category 1A                                |
| Repr. 2                          | 3.7/2        | Reproductive toxicity, Category 2                              |
| STOT SE 3                        | 3.8/3        | Specific target organ toxicity - single exposure, Category 3   |
| STOT RE 2                        | 3.9/2        | Specific target organ toxicity - repeated exposure, Category 2 |
| Aquatic Acute 1                  | 4.1/A1       | Acute aquatic hazard, category 1                               |
| Aquatic Chronic 1                | 4.1/C1       | Chronic (long term) aquatic hazard, category 1                 |
| Aquatic Chronic 2                | 4.1/C2       | Chronic (long term) aquatic hazard, category 2                 |
| Aquatic Chronic 3                | 4.1/C3       | Chronic (long term) aquatic hazard, category 3                 |

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

| Classification according to Regulation (EC) Nr. 1272/2008 | Classification procedure |
|---|--------------------------|
| Eye Dam. 1, H318  | Calculation method       |
| Aquatic Chronic 3, H412                                   | Calculation method       |

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,  
 Commission of the European Communities  
 SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van  
 Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
 ATE: Acute Toxicity Estimate  
 ATEmix: Acute toxicity Estimate (Mixtures)  
 CAS: Chemical Abstracts Service (division of the American Chemical Society).  
 CLP: Classification, Labeling, Packaging.  
 DNEL: Derived No Effect Level.





PRODOTTI PER LAVANDERIE

## Safety Data Sheet according to Reg. (EC) n.1907/2006 (REACH) - OLDO LANA

|             |   |
|-------------|---|
| EINECS:     | European Inventory of Existing Commercial Chemical Substances.                      |
| GefStoffVO: | Ordinance on Hazardous Substances, Germany.   |
| GHS:        | Globally Harmonized System of Classification and Labeling of Chemicals.             |
| IATA:       | International Air Transport Association.  |
| IATA-DGR:   | Dangerous Goods Regulation by the "International Air Transport Association" (IATA). |
| ICAO:       | International Civil Aviation Organization.  |
| ICAO-TI:    | Technical Instructions by the "International Civil Aviation Organization" (ICAO).   |
| IMDG:       | International Maritime Code for Dangerous Goods.                                    |
| INCI:       | International Nomenclature of Cosmetic Ingredients.                                 |
| KSt:        | Explosion coefficient.  |
| LC50:       | Lethal concentration, for 50 percent of test population.                            |
| LD50:       | Lethal dose, for 50 percent of test population.                                     |
| PNEC:       | Predicted No Effect Concentration.  |
| RID:        | Regulation Concerning the International Transport of Dangerous Goods by Rail.       |
| STEL:       | Short Term Exposure limit.  |
| STOT:       | Specific Target Organ Toxicity.   |
| TLV:        | Threshold Limiting Value.   |
| TWA:        | Time-weighted average   |
| WGK:        | German Water Hazard Class.  |