PRODOTTI PER LAVANDERIE

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

Safety Data Sheet dated 12/3/2026, version 9

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: 0VR0-N0FC-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: E

Do not use for purposes other than those indicated.

1.3. Details of the supplier of the safety data sheet

Company:

G.B.M. ELETTROCHIMICA s.r.l.

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

tel +39 0541 930058

e-mail: ***gbm@gbmprodottichimici.it***

web site: *www.gbmprodottichimici.*

1.4. Emergency telephone number

+39 0541-930058

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.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Contains
Benzenesulphonic acid, sodium salts.
Coco diethanolamide
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 >= 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, linalool, amyl cinnamal, terpineol, geraniol, linalyl acetate, 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
>= 1% - < 5%	Benzenesulphonic acid, sodium salts.	CAS: 68411-30-3 EC: 270-115-0 REACH No.: 01-2119489428-22-XXXX	3.1/4/Oral Acute Tox. 4 H302 3.2/2 Skin Irrit. 2 H315 3.3/1 Eye Dam. 1 H318 4.1/C3 Aquatic Chronic 3 H412
>= 1% - < 5%	Coco diethanolamide	EC: 931-329-6 REACH No.: 01-2119490100-53-XXXX	3.3/1 Eye Dam. 1 H318 3.2/2 Skin Irrit. 2 H315 4.1/C2 Aquatic Chronic 2 H411
>= 1% - < 5%	2-butoxyethanol; ethylene glycol monobutyl ether	Index number: 603-014-00-0 CAS: 111-76-2 EC: 203-905-0 REACH No.: 01-2119475108-36-0005	3.1/3/Inhal Acute Tox. 3 H331 3.1/4/Oral Acute Tox. 4 H302 3.2/2 Skin Irrit. 2 H315 3.3/2 Eye Irrit. 2 H319 Acute Toxicity Estimate: ATE - Oral 1200 mg/kg bw ATE - Inhalation (Vapours) 3 mg/l
59 ppm	Diphenyl ether	CAS: 101-84-8 EC: 202-981-2 REACH No.: 01-2119472545-33-XXXX	4.1/C2 Aquatic Chronic 2 H411 3.3/2 Eye Irrit. 2 H319

			 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 CAS: 55965-84-9 EC: 611-341-5	 3.1/1/Dermal Acute Tox. 1 H310  3.1/3/Oral Acute Tox. 3 H301  3.2/1C Skin Corr. 1C H314  3.3/1 Eye Dam. 1 H318  3.4.2/1A Skin Sens. 1A H317  3.1/2/Inhal Acute Tox. 2 H330  4.1/A1 Aquatic Acute 1 H400 M=100.  4.1/C1 Aquatic Chronic 1 H410 M=100. EUH071 Specific Concentration Limits: C >= 0,6%: Eye Dam. 1 H318 C >= 0,6%: Skin Corr. 1C H314 0,06% <= C < 0.6%: Skin Irrit. 2 H315 0,06% <= C < 0.6%: Eye Irrit. 2 H319 C >= 0,0015%: Skin Sens. 1A H317 Acute Toxicity Estimate: ATE - Oral 64 mg/kg bw ATE - Dermal 87,12 mg/kg bw ATE - Inhalation (Dust/mist) 0,33 mg/l
<1 ppb	toluene	Index number: 601-021-00-3 CAS: 108-88-3 EC: 203-625-9 REACH No.: 01-2119471310-51-XXXX	 2.6/2 Flam. Liq. 2 H225  3.7/2 Repr. 2 H361  3.10/1 Asp. Tox. 1 H304  3.9/2 STOT RE 2 H373  3.2/2 Skin Irrit. 2 H315  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 opthalmologist 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 (CO2).
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.
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:
Contamined 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

EC - TWA(8h): 98 mg/m3, 20 ppm - STEL: 246 mg/m3, 50 ppm - Notes: Skin
UE - TWA(8h): 98 mg/m3, 20 ppm - STEL: 246 mg/m3, 50 ppm - Notes: N.A.
ACGIH - TWA(8h): 20 ppm

Diphenyl ether - CAS: 101-84-8

UE - TWA(8h): 7 mg/m3, 1 ppm - STEL: 14 mg/m3, 2 ppm
ACGIH - TWA(8h): 1 ppm - STEL: 2 ppm - Notes: N.A.

toluene - CAS: 108-88-3

UE - TWA(8h): 192 mg/m3, 50 ppm - STEL: 384 mg/m3, 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/m3 - 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/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 0.425 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

Coco dietheanolamide

Consumer: 6.25 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects
Consumer: 21.73 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 73.4 mg/m3 - 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/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects - Endpoint: Irritation (respiratory tract)
Consumer: 6.3 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects - Endpoint: Repeated dose toxicity
Consumer: 147 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects - Endpoint: Irritation (respiratory tract)
Consumer: 59 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects - Endpoint: Repeated dose toxicity
Worker Professional: 1091 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects - Endpoint: Acute toxicity
Consumer: 426 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects - Endpoint: Acute toxicity
Worker Professional: 98 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects - Endpoint: Repeated dose toxicity
Consumer: 26.7 mg/kg b.w./day - Exposure: Human Oral - Frequency: Short Term, systemic effects - Endpoint: Acute toxicity

Diphenyl ether - CAS: 101-84-8

Worker Professional: 59 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects - Endpoint: Repeated dose toxicity
Worker Professional: 7 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects - Endpoint: Repeated dose toxicity
Worker Professional: 9.68 mg/m3 - 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/cm2 - 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 dietheanolamide

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
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 - Type of hazard: Danger to aquatic organisms
Target: Marine water - Value: 0.88 mg/l - Type of hazard: Danger to aquatic organisms
Target: Freshwater sediments - Value: 34.6 mg/kg dry weight - Type of hazard: Danger to aquatic organisms
Target: Marine water sediments - Value: 3.46 mg/kg dry weight - Type of hazard: Danger to aquatic organisms
Target: Intermittent release - Value: 26.4 mg/l - Type of hazard: Danger to aquatic organisms
Target: Sewage treatment plant - Value: 463 mg/l - Type of hazard: Danger to aquatic organisms
Target: Secondary poisoning - Value: 20 mg/kg - Type of hazard: Hazard for predators

Target: Soil - Value: 2.33 mg/kg dry weight - Type of hazard: Danger to terrestrial organisms

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	--	--
Melting point/freezing point:	Not Relevant	--	--
Boiling point or initial boiling point and boiling range:	Not Relevant	--	--
Flammability:	Non-flammable	--	--
Lower and upper explosion limit:	Not Relevant	--	--
Flash point:	Not Relevant	--	--
Auto-ignition temperature:	Not Relevant	--	--
Decomposition	Not Relevant	--	--

temperature:			
pH:	6,6	--	--
Kinematic viscosity:	Not Relevant	--	--
Solubility in water:	COMPLETE	--	--
Solubility in oil:	Not Relevant	--	--
Partition coefficient n-octanol/water (log value):	Not Relevant	--	--
Vapour pressure:	N.A.	--	--
Density and/or relative density:	1.01 ± 0.05 kg/l	--	--
Relative vapour density:	.	--	--
Particle characteristics:			
Particle size:	Not Relevant	--	--

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.

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:

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 dietheanolamide

a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 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: STA - Route: Oral - Species: Rat = 1200 mg/kg bw
Test: STA - Route: Inhalation Vapour - Species: Rat = 2.25 mg/l - Duration: 4h
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg bw - Source: OECD TG 402
Test: NOAEL(C) - Route: Oral - Species: Rat (male) 2 69 mg/kg dry weight - Duration: 90d - Source: OECD TG 408 - Notes: Subacute toxicity
Test: NOAEL(C) - Route: Oral - Species: Rat (female) 2 82 mg/kg dry weight - Duration: 90d - Source: OECD TG 408 - Notes: Subacute toxicity
Test: NOAEL(C) - Route: Skin - Species: Rabbit > 150 mg/kg di b.w./day - Duration: 90d - Source: OECD TG 411 - Notes: Subacute toxicity

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 - Route: Inhalation - Species: Rat Negative 62.5 mg/kg

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
ATE - Oral 64 mg/kg bw
ATE - Dermal 87,12 mg/kg bw
ATE - Inhalation (Dust/mist) 0,33 mg/l
Test: LC50 - Route: Inhalation of dust and fog - Species: Rat = 0.31 mg/l - Duration: 4h - Source: SDS

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 sensitiser, subcategory 1A.

toluene - CAS: 108-88-3

a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg bw
Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg bw
Test: LD50 - Route: Inhalation - Species: Rat > 20 mg/l - Duration: 4h

11.2. Information on other hazards

Endocrine disrupting properties:
No endocrine disruptor substances present in concentration >= 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 > 1-10 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia > 1-10 mg/l - Duration h: 48

b) Aquatic chronic toxicity:
Endpoint: NOEC (196d) - Species: Fish > 0.1-1 mg/l
Endpoint: NOEC (21d) - Species: Daphnia > 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 > 10-100 mg/l - Duration h: 72
Endpoint: NOEC (28D) > 4 mg/l
Endpoint: EC50 > 1-10 mg/l - Duration h: 168

g) Toxicity to aquatic invertebrates:
Endpoint: NOEC (32d) - Species: Aquatic invertebrates > 1-10 mg/l

Coco dietheanolamide

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
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 - Notes: Oncorhynchus mykiss
Endpoint: EC50 - Species: Daphnia = 1550 mg/l - Duration h: 48 - Notes: Daphnia magna.
Endpoint: EC50 - Species: Algae = 911 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata; OECD TG 201

b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Fish > 100 mg/l - Notes: Brachydanio rerio

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

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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: Persistence - 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 - Notes: OECD TG 301 B

Diphenyl ether - CAS: 101-84-8

Biodegradability: Persistence - %: 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 - Bioconcentrantion factor 2-1000 - Duration: 192h

Coco diethanolamide

Test: Log Kow 3.75

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

Bioaccumulation: Low potential for bioaccumulation

Diphenyl ether - CAS: 101-84-8

Bioaccumulation: Bioaccumulation factor - Test: BCF - Bioconcentrantion factor 196

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 >= 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)
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)
Regulation (EU) n. 2023/707
Regulation (EU) n. 2023/1434 (ATP 19 CLP)
Regulation (EU) n. 2023/1435 (ATP 20 CLP)
Regulation (EU) n. 2024/197 (ATP 21 CLP)
Regulation (EU) n. 2024/2564 (ATP 22 CLP)
Regulation (EU) n. 2024/2865
Regulation (EU) n. 2025/1222 (ATP 23 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.

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.	Classification procedure

1272/2008	
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.
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.