PRODOTTI PER LAVANDERIE

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

Safety Data Sheet dated 15/1/2026, version 5

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

1.1. Product identifier

Mixture identification:

Trade name:	***DEO SANY***
Trade code:	G04-019 / 020
UFI:	NGE2-U08X-F003-3HKX

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

Recommended use:

Sanitizing, whitening, for surfaces and fabrics.

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:

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.it*

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)

Acute Tox. 4, H332 Harmful if inhaled.
Skin Irrit. 2, H315 Causes skin irritation.
Eye Dam. 1, H318 Causes serious eye damage.
Skin Sens. 1, H317 May cause an allergic skin reaction.
Aquatic Chronic 2, H411 Toxic 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:

H332 Harmful if inhaled.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P261 Avoid breathing vapours.
P264 Wash hands thoroughly with water after handling.

P273 Avoid release to the environment.
P280 Wear protective gloves/clothing 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.
P391 Collect spillage.

Special Provisions:
None

Contains
2-butoxyethanol; ethylene glycol monobutyl ether
Ethoxylated alcohol
Coco dietheanolamide
(R)-p-mentha-1,8-diene; d-limonene
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:
15-30%: non-ionic surfactants.
Other comp.: disinfectants (DCPP), mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazole-3-one
Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
>= 20% - < 30%	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
>= 10% - < 20%	Ethoxylated alcohol	CAS: 69011-36-5	 3.3/1 Eye Dam. 1 H318  3.1/4/Oral Acute Tox. 4 H302
>= 5% - < 10%	Coco dietheanolamide	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%	(R)-p-mentha-1,8-diene; d-limonene	Index number: 601-096-00-2 CAS: 5989-27-5 EC: 227-813-5 REACH No.: 01-2119529223-47-XXXX	 2.6/3 Flam. Liq. 3 H226  3.2/2 Skin Irrit. 2 H315  3.4.2/1B Skin Sens. 1B H317  3.10/1 Asp. Tox. 1 H304  4.1/A1 Aquatic Acute 1 H400 M=1. 4.1/C3 Aquatic Chronic 3 H412
>= 0.5% - < 1%	5-chloro-2-(4-chlorophenoxy)phenol; [DCPP]	Index number: 605-023-00-5 CAS: 3380-30-1 EC: 429-290-0	 3.3/1 Eye Dam. 1 H318  4.1/A1 Aquatic Acute 1 H400 M=10.  4.1/C1 Aquatic Chronic 1 H410 M=10.
>= 0.1% - < 0.25%	2,2'-iminodiethanol; diethanolamine	Index number: 603-071-00-1 CAS: 111-42-2 EC: 203-868-0 REACH No.: 01-2119488930-28-XXXX	 3.1/4/Oral Acute Tox. 4 H302  3.3/1 Eye Dam. 1 H318  3.2/2 Skin Irrit. 2 H315  3.7/2 Repr. 2 H361  3.9/2 STOT RE 2 H373
>= 0.1% - < 0.25%	7-methyl-3-methyleneocta-1,6-diene	CAS: 123-35-3 EC: 204-622-5 REACH No.: 01-2119514321-56-XXXX	 2.6/3 Flam. Liq. 3 H226  4.1/A1 Aquatic Acute 1 H400  3.2/2 Skin Irrit. 2 H315  3.3/2 Eye Irrit. 2 H319  3.10/1 Asp. Tox. 1 H304  4.1/C1 Aquatic Chronic 1 H410
10 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
10 ppm	triclosan; 2,4,4'-trichloro-2'-hydroxy-diphenyl-ether; 5-chloro-2-(2,4-dichlorophenoxy)phenol	Index number: 604-070-00-9 CAS: 3380-34-5 EC: 222-182-2	 3.3/2 Eye Irrit. 2 H319  3.2/2 Skin Irrit. 2 H315  4.1/A1 Aquatic Acute 1 H400 M=100.  4.1/C1 Aquatic Chronic 1 H410 M=100.

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.
After contact with skin, wash immediately with soap and plenty of water.

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 induce vomiting.

In case of Inhalation:

If breathing is irregular or stopped, administer artificial respiration.

In case of inhalation, consult a doctor immediately and show the packing or label.

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:

Treat symptomatically.

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.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

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.

Use localized ventilation system.

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

2,2'-iminodiethanol; diethanolamine - CAS: 111-42-2

ACGIH - TWA(8h): 1 mg/m3 - Notes: N.A.

DNEL Exposure Limit Values

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

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

(R)-p-mentha-1,8-diene; d-limonene - CAS: 5989-27-5

Worker Professional: 66.7 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects - Endpoint: Repeated dose toxicity - Notes: ECHA
Worker Professional: 9.5 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Endpoint: Repeated dose toxicity - Notes: ECHA

Consumer: 16.6 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects - Endpoint: Repeated dose toxicity - Notes: ECHA
Consumer: 4.8 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Endpoint: Repeated dose toxicity - Notes: ECHA
Consumer: 4.8 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects - Endpoint: Repeated dose toxicity - Notes: ECHA

triclosan; 2,4,4'-trichloro-2'-hydroxy-diphenyl-ether; 5-chloro-2-(2,4-dichlorophenoxy)phenol - CAS: 3380-34-5

Worker Professional: 3 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects - Endpoint: Repeated dose toxicity
Worker Professional: 2.8 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Endpoint: Repeated dose toxicity

PNEC Exposure Limit Values

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

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
Target: Microorganisms in sewage treatments - Value: 830 mg/l
Target: Intermittent release - Value: 0.024 mg/l

(R)-p-mentha-1,8-diene; d-limonene - CAS: 5989-27-5

Target: Fresh Water - Value: 14 µg/L - Notes:: ECHA
Target: Marine water - Value: 1.4 µg/L - Notes:: ECHA
Target: Sewage treatment plant - Value: 1.8 mg/l - Notes:: ECHA
Target: Freshwater sediments - Value: 3.85 µg/kg dry weight - Notes:: ECHA
Target: Marine water sediments - Value: 385 µg/kg dry weight - Notes:: ECHA
Target: Soil - Value: 763 µg/kg dry weight - Notes:: ECHA
Target: Secondary poisoning - Value: 133 mg/kg of food - Notes:: ECHA

2,2'-iminodiethanol; diethanolamine - CAS: 111-42-2

Target: Fresh Water - Value: 21 - Type of hazard: Danger to aquatic organisms - Notes:: ECHA
Target: Intermittent release (fresh water) - Value: 95 - Type of hazard: Danger to aquatic organisms - Notes:: ECHA
Target: Marine water - Value: 2 - Type of hazard: Danger to aquatic organisms - Notes:: ECHA
Target: Sewage treatment plant - Value: 100 - Type of hazard: Danger to aquatic organisms - Notes:: ECHA
Target: Freshwater sediments - Value: 96 - Type of hazard: Danger to aquatic organisms - Notes:: ECHA
Target: Marine water sediments - Value: 9.2 - Type of hazard: Danger to aquatic organisms - Notes:: ECHA

Target: Soil - Value: 1.63 - Type of hazard: Danger to terrestrial organisms - Notes:: ECHA
Target: Secondary poisoning - Value: 1.04 - Type of hazard: Hazard for predators - Notes:: ECHA

triclosan; 2,4,4'-trichloro-2'-hydroxy-diphenyl-ether; 5-chloro-2-(2,4-dichlorophenoxy)phenol - CAS: 3380-34-5

Target: Fresh Water - Value: 0.843 µg/L
Target: Marine water - Value: 0.169 µg/L
Target: Freshwater sediments - Value: 1 mg/kg dry weight
Target: Marine water sediments - Value: 0.1 mg/kg dry weight
Target: Intermittent release - Value: 0.04 µg/L
Target: Sewage treatment plant - Value: 110 µg/L
Target: Soil - Value: 0.196 mg/kg dry weight

8.2. Exposure controls

Eye protection:

Eye glasses.

Protection for skin:

Chemical protection clothing.

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:

Use adequate protective respiratory equipment.

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:	light straw-yellow	--	--
Odour:	CHARACTERISTIC OF CITRUS FRUITS	--	--
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 temperature:	Not Relevant	--	--
pH:	9,2	--	--
Kinematic viscosity:	Not Relevant	--	--
Solubility in water:	COMPLETE	--	--
Solubility in oil:	INSOLUBLE	--	--
Partition coefficient n-octanol/water (log value):	Not Relevant	--	--
Vapour pressure:	Not Relevant	--	--
Density and/or relative density:	0.99 ± 0.05 kg/l	--	--
Relative vapour density:	Not Relevant	--	--
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

When heated or in case of fire can be released vapors potentially dangerous to health.

SECTION 11: Toxicological information

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

Toxicological information of the product:

DEO SANY

a) acute toxicity

The product is classified: Acute Tox. 4 H332

ATEmix - Inhalation (Vapours) 15 mg/l

b) skin corrosion/irritation

The product is classified: Skin Irrit. 2 H315

c) serious eye damage/irritation

The product is classified: Eye Dam. 1 H318

d) respiratory or skin sensitisation

The product is classified: Skin Sens. 1 H317

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:

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

Ethoxylated alcohol - CAS: 69011-36-5
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat range 300-2000 mg/kg bw
c) serious eye damage/irritation:
Route: Eyes - Species: Rabbit Positive

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

(R)-p-mentha-1,8-diene; d-limonene - CAS: 5989-27-5
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 2000 mg/kg bw - Source: ECHA
Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg bw - Source: SDS
Test: LD50 - Route: Oral - Species: Mouse = 5600 mg/kg bw - Source: SDS

5-chloro-2-(4-chlorophenoxy)phenol; [DCPP] - CAS: 3380-30-1
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg bw - Source: OECD TG 423
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg bw - Source: OECD TG 402
b) skin corrosion/irritation:
Test: Skin Irritant - Species: Rabbit Negative - Source: OECD TG 404 - Based on available data, the classification criteria are not met
c) serious eye damage/irritation:
Test: Eye Corrosive - Species: Rabbit Positive - Source: OECD TG 405 - Causes serious eye damage
d) respiratory or skin sensitisation:
Test: Skin Sensitization Negative - Not sensitizing
e) germ cell mutagenicity:
Species: Mammalian 3 - The substance was not found to be mutagenic to bacteria. A mutagenicity test using mammalian cells reported uncertain results. Substances with similar structural characteristics have not given mutagenic effect. The substance was not mutagenic in mamm
f) carcinogenicity:
Species: Mouse Positive - In long-term studies in mice where the substance was administered in the diet by a probe, a carcinogenic effect was detected. The effect is caused by a specific animal mechanism that has no human counterpart. All available information does not provid
g) reproductive toxicity:
Test: Reproductive Toxicity Negative - Results of animal studies show no effects of impairment of fertility. The product has not been tested. Claims are derived from substances/products of similar composition or structure.
Test: Teratogenicity Negative - In animal experiments the substance did not cause malformations. The product was not tested. Claims are derived from substances/products of similar composition or structure.
i) STOT-repeated exposure:
Positive - The substance may damage the liver following repeated oral administration of large quantities, as shown by animal experiments. Prolonged oral administration of the substance may damage the kidneys.
2,2'-iminodiethanol; diethanolamine - CAS: 111-42-2
a) acute toxicity:
Test: LC50
7-methyl-3-methyleneocta-1,6-diene - CAS: 123-35-3
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg bw
Test: LD50 - Route: Skin - Species: Rabbit > 5000 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.

triclosan; 2,4,4'-trichloro-2'-hydroxy-diphenyl-ether; 5-chloro-2-(2,4-dichlorophenoxy)phenol - CAS: 3380-34-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg bw

Test: LD50 - Route: Skin - Species: Rat > 5000 mg/kg bw

b) skin corrosion/irritation:

Test: Skin Irritant Positive - Causes skin irritation

c) serious eye damage/irritation:

Test: Eye Irritant Positive - Causes severe eye irritation

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.

DEO SANY

The product is classified: Aquatic Chronic 2 - H411

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

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

(R)-p-mentha-1,8-diene; d-limonene - CAS: 5989-27-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 0.46 mg/l - Duration h: 96 - ECHA

Endpoint: EC50 - Species: Fish = 0.688 mg/l - Duration h: 96 - SDS

5-chloro-2-(4-chlorophenoxy)phenol; [DCPP] - CAS: 3380-30-1

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 0.7 mg/l - Duration h: 96 - Notes: Brachydanio rerio (OECD 203; ISO 7346; 92/69/EEC, C.1, static) - Indications of toxic action refer to the concentration determined analytically. Toxic effect at concentrations close to water solubility.

Endpoint: EC50 - Species: Aquatic invertebrates = 0.32 mg/l - Duration h: 48 - Notes: Daphnia magna (OECD - Guideline 202, Part 1, static) - The indications of toxic action refer to the nominal concentration. Toxic effect at near concentrations of water solubility

Endpoint: EC50 - Species: Plantas acuáticas = 0.038 mg/l - Duration h: 72 - Notes: (growth rate) Desmodesmus subspicatus (OECD Guideline 201, static) - The

indications of toxic action refer to the nominal concentration. Toxic effect at near concentrations of water solubility
Endpoint: EC50 - Species: Activated sludge = 8 mg/l - Duration h: 3 - Notes: domestic (OECD - guideline 209, static) - The indications of toxic action refer to the nominal concentration.
Endpoint: LC50 (14d) - Species: MICRORGANISMI TER. = 693 mg/kg bw - Notes: Eisenia foetida (OECD - guideline 207, artificial soil) - The indications of toxic action refer to the nominal concentration.

b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Plantas acuáticas = 0.0093 mg/l - Duration h: 72 - Notes: (growth rate) Desmodesmus subspicatus (OECD Guideline 201, static) - Indications of toxic action refer to the concentration determined analytically.
Endpoint: NOEC (96d) - Species: Fish = 34.1 µg/L - Notes: Oncorhynchus mykiss (OPP 72-4 (EPA Guideline), Flow.) - Indications of toxic action refer to the concentration determined analytically. The product has not been tested. Claims are derived from substances/products of similar composition or structure.
Endpoint: NOEC (21d) - Species: Aquatic invertebrates = 0.22 mg/l - Notes: Daphnia magna (OECD - guideline 211, semi-static)

2,2'-iminodiethanol; diethanolamine - CAS: 111-42-2

a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 460 mg/l - Duration h: 96 - ECHA
Endpoint: EC50 - Species: Aquatic invertebrates = 30.1 mg/l - Duration h: 48 - ECHA
Endpoint: EC50 - Species: Freshwater algae = 9.5 mg/l - Duration h: 72 - ECHA
Endpoint: EC50 - Species: Seawater algae = 86.96 mg/l - Duration h: 72 - ECHA

b) Aquatic chronic toxicity:
Endpoint: NOEC (21d) - Species: Aquatic invertebrates = 780 µg/L - ECHA

d) Terrestrial toxicity:
Endpoint: EC10 - Species: MICRORGANISMI = 1 GL - Duration h: 0.5 - ECHA

7-methyl-3-methyleneocta-1,6-diene - CAS: 123-35-3

a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 1.3 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 1.47 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae = 0.34 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

triclosan; 2,4,4'-trichloro-2'-hydroxy-diphenyl-ether; 5-chloro-2-(2,4-dichlorophenoxy)phenol - CAS: 3380-34-5

a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 0.54 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 0.427 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae = 1.61 µg/L - Duration h: 72

b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Fish = 34.1 µg/L - Duration h: 2304
Endpoint: NOEC - Species: Daphnia = 0.04 mg/l - Duration h: 504

f) Effects in sewage plants:

Endpoint: EC50 - Species: Aquatic micro-organisms = 11 mg/l - Duration h: 3

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).

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

Biodegradability: Readily biodegradable - Duration: 28d - %: 90.4 - Notes: OECD TG 301 B

Coco diethanolamide

Biodegradability: Biodegradable - %: 92.5

(R)-p-mentha-1,8-diene; d-limonene - CAS: 5989-27-5

Biodegradability: Persistence - %: 100 - Notes: ECHA

5-chloro-2-(4-chlorophenoxy)phenol; [DCPP] - CAS: 3380-30-1

Biodegradability: Hardly biodegradable - Test: Biodegradation in water - Notes: According to OECD criteria

Biodegradability: Considerations on disposal: - Notes: 50 - 60 % theoretical value CO2 formation (61 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic, unadapted)

Biodegradability: Stability in water - Notes: In contact with water, the substance slowly hydrolyses

Biodegradability: Water stability data (hydrolysis) - Notes: t1/2 > 1 a (p H 7, 25 if C, pH value 7), (OECD Guideline 111)

2,2'-iminodiethanol; diethanolamine - CAS: 111-42-2

Biodegradability: Persistence - %: 100 - Notes: ECHA

7-methyl-3-methyleneocta-1,6-diene - CAS: 123-35-3

Biodegradability: Persistence

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

triclosan; 2,4,4'-trichloro-2'-hydroxy-diphenyl-ether; 5-chloro-2-(2,4-dichlorophenoxy)phenol - CAS: 3380-34-5

Biodegradability: Non-readily biodegradable

12.3. Bioaccumulative potential

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

Bioaccumulation: Low potential for bioaccumulation

Coco diethanolamide

Test: Log Kow 3.75

5-chloro-2-(4-chlorophenoxy)phenol; [DCPP] - CAS: 3380-30-1

Bioaccumulation: Accumulation in organisms is low - Test: BCF - Bioconcentrantion factor 68-77 - Duration: 28d - Notes: Cyprinus carpio (OECD Guideline 305E)

triclosan; 2,4,4'-trichloro-2'-hydroxy-diphenyl-ether; 5-chloro-2-(2,4-dichlorophenoxy)phenol - CAS: 3380-34-5

Test: Kow - Partition coefficient 4.8

12.4. Mobility in soil

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

Mobility in soil: The product has very high mobility potential

Coco diethanolamide

Mobility in soil: The substance is soluble and mobile in water and soil

5-chloro-2-(4-chlorophenoxy)phenol; [DCPP] - CAS: 3380-30-1

Mobility in soil: Volatility - Notes: The substance does not evaporate to the atmosphere from the water surface

Mobility in soil: Adsorption in soil - Notes: Adsorption to the solid phase of the soil is expected

triclosan; 2,4,4'-trichloro-2'-hydroxy-diphenyl-ether; 5-chloro-2-(2,4-dichlorophenoxy)phenol - CAS: 3380-34-5

Test: Koc (adsorption/soil) 2.92

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

ADR-UN number:	3082
RID-UN Number:	3082
ADN-UN Number:	3082
IATA-UN Number:	3082
IMDG-UN Number:	3082

14.2. UN proper shipping name

ADR-Shipping Name:	MATTER DANGEROUS TO THE ENVIRONMENT, LIQUID, N.O.S.
IATA-Shipping Name:	MATERIA PERICOLOSA PER L'AMBIENTE, LIQUIDA, N.A.S.
IMDG-Shipping Name:	MATERIA PERICOLOSA PER L'AMBIENTE, LIQUIDA, N.A.S.

14.3. Transport hazard class(es)

ADR-Class:	9
ADR-Label:	9
ADR - Hazard identification number:	90
RID-Class:	9
ADN-Class:	9
IATA-Class:	9
IATA-Label:	9
IMDG-Class:	9

14.4. Packing group

RID-Packing Group:	III
ADN-Packing Group:	III
ADR-Packing Group:	III
IATA-Packing group:	III
IMDG-Packing group:	III

14.5. Environmental hazards

Marine pollutant: Marine pollutant

ADN-Environmentally hazardous in tank-vessels:

14.6. Special precautions for user

ADR-Transport category (Tunnel restriction code): (E)

IMDG-Shipping Name: MATERIA PERICOLOSA PER L'AMBIENTE, LIQUIDA, N.A.S.

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)

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

Restrictions related to the substances contained:
Restriction 40
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
Product belongs to category: E2

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:
H331 Toxic if inhaled.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H318 Causes serious eye damage.
H411 Toxic to aquatic life with long lasting effects.
H226 Flammable liquid and vapour.
H317 May cause an allergic skin reaction.

H304 May be fatal if swallowed and enters airways.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.
H410 Very toxic to aquatic life with long lasting effects.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
H310 Fatal in contact with skin.
H301 Toxic if swallowed.
H314 Causes severe skin burns and eye damage.
H330 Fatal if inhaled.
EUH071 Corrosive to the respiratory tract.

Hazard class and hazard category	Code	Description
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
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/Inhal	Acute toxicity (inhalation), Category 4
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. 1	3.4.2/1	Skin Sensitisation, Category 1
Skin Sens. 1A	3.4.2/1A	Skin Sensitisation, Category 1A
Skin Sens. 1B	3.4.2/1B	Skin Sensitisation, Category 1B
Repr. 2	3.7/2	Reproductive toxicity, Category 2
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
Acute Tox. 4, H332	Calculation method
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method
Skin Sens. 1, H317	Calculation method
Aquatic Chronic 2, H411	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.