Safety Data Sheet

.

LWM000 SIVAWOOD Effetto naturale all'acqua - Clear WB for Natural Effect

Safety Data Sheet dated 9/19/2022, version 2

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: SIVAWOOD Effetto naturale all'acqua - Clear WB for Natural Effect

Other means of identification:

Trade code: LWM000

Recommended use of the chemical and restrictions on use

Recommended use:

IS- Industrial use

PW - Professional use

Varnish for wood

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Company:

NUOVA S.I.V.A.M. SpA - Via Monviso, 10 - 20008 BAREGGIO (MI) - Tel. +39 02-903041

Importer:

Richelieu America ltd, 7021 Sterling Ponds Blvd, Sterling Heights, MI 48312-5809 U.S. Tel: +1-800-361-6000.

Emergency phone number for U.S.A.: Chemtrec +1-800-424-9300

Distributor:

Richelieu America ltd, 7021 Sterling Ponds Blvd, Sterling Heights, MI 48312-5809 U.S. Tel: +1-800-361-6000.

Emergency phone number for U.S.A.: Chemtrec +1-800-424-9300

Competent person responsible for the safety data sheet:

msds@sivam.it

Emergency phone number

NUOVA S.I.V.A.M. SpA - Tel. +39 02- 903041 (Monday - Friday 8.00 - 15.00)

Poison Centre - Ospedale di Niguarda Ca' Granda - Milan - Tel. +39 02-66101029 (24 h)

2. HAZARD(S) IDENTIFICATION

Classification of the chemical

Warning, Skin Sens. 1, May cause an allergic skin reaction.

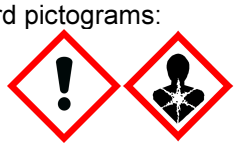
Warning, Repr. 2, Suspected of damaging fertility or the unborn child.

Aquatic Acute 3, Harmful to aquatic life.

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

Label elements

Hazard pictograms:



Warning

Hazard statements:

H317 May cause an allergic skin reaction.

H361 Suspected of damaging fertility or the unborn child.

H402 Harmful to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing must not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P321 Specific treatment (see ... On this label).
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P405 Store locked up.
P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:
None

Hazards not otherwise classified identified during the classification process:
None

Ingredient(s) with unknown acute toxicity:
None.

Additional classification information
NFPA rating:

HMIS rating:

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances
N.A.

Mixtures
Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

Qty	Name	Ident. Number		Classification
>= 1% - < 2.5%	2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve	Index number: CAS: EC: REACH No.:	603-014-00-0 111-76-2 203-905-0 01-2119475108-36	A.3/2A Eye Irrit. 2A H319 B.6/4 Flam. Liq. 4 H227 A.2/2 Skin Irrit. 2 H315 A.1/4/Oral Acute Tox. 4 H302 A.1/4/Dermal Acute Tox. 4 H312 A.1/4/Inhal Acute Tox. 4 H332
>= 1% - < 2.5%	2-(2-butoxyethoxy) ethanol; diethylene glycol monobutyl ether	Index number: CAS: EC: REACH No.:	603-096-00-8 112-34-5 203-961-6 01-2119475104-44	A.3/2A Eye Irrit. 2A H319
>= 0.5% - < 1%	Hydroxyphenyl-benzotriazole derivatives EC No. 400-830-67 (CAS 104810-47-1 + CAS 104810-48-2)	Index number: EC: REACH No.:	607-176-00-3 400-830-7 01-0000015075-76	A.4.2/1 Skin Sens. 1 H317 US-HAE/C2 Aquatic Chronic 2 H411

>= 0.25% - < 0.3%	Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (CAS 41556-26-7 + CAS 82919-37-7)	CAS: EC: REACH No.:	1065336-91-5 915-687-0 01-2119491304-40	A.4.2/1 Skin Sens. 1 H317 A.7/2 Repr. 2 H361 US-HAE/A1 Aquatic Acute 1 H400 US-HAE/C1 Aquatic Chronic 1 H410
90 ppm	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	Index number: CAS: EC: REACH No.:	613-088-00-6 2634-33-5 220-120-9 01-2120761540-60	A.1/4/Oral Acute Tox. 4 H302 A.2/2 Skin Irrit. 2 H315 A.3/1 Eye Dam. 1 H318 A.4.2/1 Skin Sens. 1 H317 US-HAE/A1 Aquatic Acute 1 H400 US-HAE/C2 Aquatic Chronic 2 H411 Specific Concentration Limits: C >= 0,05%: Skin Sens. 1 H317
13 ppm	Decamethylcyclopentasiloxane (D5)	CAS: EC: REACH No.:	541-02-6 208-764-9 01-2119511367-43	The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).
13 ppm	Dodecamethylcyclohexasiloxane (D6)	CAS: EC: REACH No.:	540-97-6 208-762-8 01-2119517435-42	The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).
7 ppm	2-methyl-2H-isothiazol-3-one	Index number: CAS: EC: REACH No.:	613-326-00-9 2682-20-4 220-239-6 01-2120764690-50	A.1/2/Inhal Acute Tox. 2 H330 A.1/3/Dermal Acute Tox. 3 H311 A.1/3/Oral Acute Tox. 3 H301 A.2/1B Skin Corr. 1B H314 A.4.2/1A Skin Sens. 1A H317 US-HAE/A1 Aquatic Acute 1 H400 US-HAE/C1 Aquatic Chronic 1 H410 Specific Concentration Limits: C >= 0,0015%: Skin Sens. 1 H317
3 ppm	octamethylcyclotetrasiloxane (D4)	Index number: CAS: EC: REACH No.:	014-018-00-1 556-67-2 209-136-7 01-2119529238-36	B.6/3 Flam. Liq. 3 H226 A.7/2 Repr. 2 H361 US-HAE/C4 Aquatic Chronic 4 H413
1 ppm	mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -	Index number:	613-167-00-5	A.2/1B Skin Corr. 1B H314

	isothiazol-3-one [EC no. 220-239-6] (3:1) (CAS 26172-55-4 + CAS 2682-20-4)	CAS: REACH No.:	55965-84-9 01-2120764691-48	A.3/1 Eye Dam. 1 H318 A.4.2/1 Skin Sens. 1 H317 US-HAE/A1 Aquatic Acute 1 H400 US-HAE/C1 Aquatic Chronic 1 H410 A.1/3/Oral Acute Tox. 3 H301 A.1/3/Dermal Acute Tox. 3 H311 A.1/2/Inhal Acute Tox. 2 H330 Specific Concentration Limits: C >= 0,6%: Skin Corr. 1B H314 0,06% <= C < 0.6%: Skin Irrit. 2 H315 0,06% <= C < 0.6%: Eye Irrit. 2A H319 C >= 0,0015%: Skin Sens. 1 H317

4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Immediately take off all contaminated clothing.

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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.

Most important symptoms/effects, acute and delayed

None

Indication of 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

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Water.

Carbon dioxide (CO2).

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products:

None

Explosive properties: N.D. in volume

Oxidizing properties: N.D.

Special protective equipment and precautions for fire-fighters

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Wear personal protection equipment.
Remove persons to safety.
See protective measures under point 7 and 8.

Methods and materials for containment and cleaning up

Wash with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.
Exercise the greatest care when handling or opening the container.
Do not use on extensive surface areas in premises where there are occupants.
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.

Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Adequately ventilated premises.
Storage temperature:
Store at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2
EU - TWA(8h): 98 mg/m3, 20 ppm - STEL: 246 mg/m3, 50 ppm - Notes: Skin
ACGIH - TWA(8h): 20 ppm - Notes: A3, BEI - Eye and URT irr

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5
EU - TWA(8h): 67.5 mg/m3, 10 ppm - STEL: 101.2 mg/m3, 15 ppm
ACGIH - TWA(8h): 10 ppm - Notes: (IFV) - Hematologic, liver and kidney eff

Decamethylcyclopentasiloxane (D5) - CAS: 541-02-6
ACGIH - TWA(8h): 10 ppm

octamethylcyclotetrasiloxane (D4) - CAS: 556-67-2
ACGIH - TWA(8h): 123 mg/m3, 10 ppm

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) (CAS 26172-55-4 + CAS 2682-20-4) - CAS: 55965-84-9
TLV TWA - 0,05 mg/m3
TLV STEL - 0,23 mg/m3

DNEL Exposure Limit Values

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2
Worker Industry: 98 mg/m3 - Worker Professional: 98 mg/m3 - Consumer: 59 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 6.3 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
Consumer: 26.7 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5

Worker Industry: 101.2 mg/m3 - Worker Professional: 101.2 mg/m3 - Consumer: 34 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Industry: 67.5 mg/m3 - Worker Professional: 67.5 mg/m3 - Consumer: 34 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Industry: 20 mg/kg - Worker Professional: 20 mg/kg - Consumer: 10 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 1.25 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Hydroxyphenyl-benzotriazole derivatives EC No. 400-830-67 (CAS 104810-47-1 + CAS 104810-48-2) - Index number: 607-176-00-3

Worker Industry: 0.398 mg/m3 - Worker Professional: 0.398 mg/m3 - Consumer: 0.099 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Industry: 0.25 mg/kg - Worker Professional: 0.25 mg/kg - Consumer: 0.025 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 0.025 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (CAS 41556-26-7 + CAS 82919-37-7) - CAS: 1065336-91-5

Worker Industry: 1.27 mg/m3 - Worker Professional: 1.27 mg/m3 - Consumer: 0.31 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Industry: 1.8 mg/kg - Worker Professional: 1.8 mg/kg - Consumer: 0.9 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 0.18 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Decamethylcyclopentasiloxane (D5) - CAS: 541-02-6

Worker Industry: 24.2 mg/m3 - Worker Professional: 24.2 mg/m3 - Consumer: 4.3 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects
Worker Industry: 97.3 mg/m3 - Worker Professional: 97.3 mg/m3 - Consumer: 17.3 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 5 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Dodecamethylcyclohexasiloxane (D6) - CAS: 540-97-6

Worker Industry: 6.1 mg/m3 - Worker Professional: 6.1 mg/m3 - Consumer: 1.5 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Industry: 11 mg/m3 - Worker Professional: 11 mg/m3 - Consumer: 2.7 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 1.7 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects

octamethylcyclotetrasiloxane (D4) - CAS: 556-67-2

Worker Industry: 73 mg/m3 - Worker Professional: 73 mg/m3 - Consumer: 13 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Industry: 73 mg/kg - Worker Professional: 73 mg/kg - Consumer: 13 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Consumer: 3.7 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
Consumer: 3.7 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects

PNEC Exposure Limit Values

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - 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
Target: Marine water sediments - Value: 3.46 mg/kg
Target: Intermittent emission - Value: 9.1 mg/l
Target: Microorganisms in sewage treatments - Value: 463 mg/l
Target: Food chain - Value: 20 mg/kg
Target: Soil (agricultural) - Value: 2.33 mg/kg

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5

Target: Fresh Water - Value: 1.1 mg/l

Target: Marine water - Value: 0.11 mg/l
Target: Freshwater sediments - Value: 4.4 mg/kg
Target: Marine water sediments - Value: 0.44 mg/kg
Target: Microorganisms in sewage treatments - Value: 200 mg/l
Target: Soil (agricultural) - Value: 0.32 mg/kg
Target: Food chain - Value: 56 mg/kg

Hydroxyphenyl-benzotriazole derivatives EC No. 400-830-67 (CAS 104810-47-1 + CAS 104810-48-2) - Index number: 607-176-00-3

Target: Fresh Water - Value: 0.023 mg/l
Target: Marine water - Value: 0.00023 mg/l
Target: Freshwater sediments - Value: 7.26 mg/l
Target: Marine water sediments - Value: 0.726 mg/l
Target: Intermittent emission - Value: 0.023 mg/l
Target: Microorganisms in sewage treatments - Value: 100 mg/l

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (CAS 41556-26-7 + CAS 82919-37-7) - CAS: 1065336-91-5

Target: Fresh Water - Value: 0.0022 mg/l
Target: Marine water - Value: 0.00022 mg/l
Target: Intermittent emission - Value: 0.009 mg/l
Target: Freshwater sediments - Value: 1.05 mg/kg
Target: Marine water sediments - Value: 0.11 mg/kg
Target: Microorganisms in sewage treatments - Value: 1 mg/l
Target: Soil (agricultural) - Value: 0.21 mg/kg

Decamethylcyclopentasiloxane (D5) - CAS: 541-02-6

Target: Fresh Water - Value: 0.0012 mg/kg
Target: Marine water - Value: 0.00012 mg/kg
Target: Freshwater sediments - Value: 11 mg/kg
Target: Marine water sediments - Value: 1.1 mg/kg
Target: Microorganisms in sewage treatments - Value: 10 mg/l
Target: Soil (agricultural) - Value: 2.54 mg/kg

Dodecamethylcyclohexasiloxane (D6) - CAS: 540-97-6

Target: Freshwater sediments - Value: 13 mg/kg
Target: Marine water sediments - Value: 1.3 mg/kg
Target: Microorganisms in sewage treatments - Value: 1 mg/kg
Target: Soil (agricultural) - Value: 3.77 mg/kg

octamethylcyclotetrasiloxane (D4) - CAS: 556-67-2

Target: Fresh Water - Value: 0.00044 mg/l
Target: Marine water - Value: 0.000044 mg/l
Target: Freshwater sediments - Value: 0.128 mg/kg
Target: Marine water sediments - Value: 0.013 mg/kg
Target: Microorganisms in sewage treatments - Value: 10 mg/kg
Target: Soil (agricultural) - Value: 0.136 mg/kg

Appropriate engineering controls:

None

Individual protection measures

Eye protection:

Eye glasses with side protection. (EN166)

Protection for skin:

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

Protection for hands:

Chemical resistant gloves (EN374).

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	Liquid,opalescent
Odour:	typical
Odour threshold:	N.D.
pH:	8.5
Melting point / freezing point:	N.D. °C
Initial boiling point and boiling range:	> 100 °C
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.D.
Vapour density:	> 1
Flash point:	N.A. °C
Evaporation rate:	N.D.
Vapour pressure:	N.D. (20 °C)
Relative density:	1.010 - 1.030
Solubility in water:	miscible
Solubility in oil:	partial
Partition coefficient (n-octanol/water):	N.D.
Auto-ignition temperature:	N.D. °C
Decomposition temperature:	N.D. °C
Viscosity:	N.D.
Miscibility:	N.D.
Fat Solubility:	N.D.
Conductivity:	N.D.
Substance Groups relevant properties	N.A.

10. STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions

Chemical stability

Stable under normal conditions

Possibility of hazardous reactions

Conditions to avoid

Stable under normal conditions.

Incompatible materials

None in particular.

Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the product:

SIVAWOOD Effetto naturale all'acqua - Clear WB for Natural Effect

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

Not classified

No data available for the product

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
The product is classified: Repr. 2 H361
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; butyl cellosolve - CAS: 111-76-2
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 1200 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 523 Ppm - Duration: 4h
Test: LC50 - Route: Skin - Species: Rat > 2000 mg/kg

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 2410 mg/kg - Source: OCSE 401
Test: LD50 - Route: Skin - Species: Rabbit = 2764 mg/kg - Source: OCSE 402

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (CAS 41556-26-7 + CAS 82919-37-7) - CAS: 1065336-91-5
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 3230 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit = 3170 mg/kg

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one - CAS: 2634-33-5
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 670 mg/kg
Test: LD50 - Route: Skin - Species: Rat = 4115 mg/kg

2-methyl-2H-isothiazol-3-one - CAS: 2682-20-4
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 285 mg/kg

octamethylcyclotetrasiloxane (D4) - CAS: 556-67-2
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 4800 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 12.17 mg/l - Duration: 4h
Test: LD50 - Route: Skin - Species: Rabbit = 2.5 mg/kg

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) (CAS 26172-55-4 + CAS 2682-20-4) - CAS: 55965-84-9
a) acute toxicity:
Test: LC50 - Route: Inhalation - Species: Rat = 0.31 mg/l - Duration: 4h
Test: LC50 - Route: Oral - Species: Rat = 53 mg/kg

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2
The product is harmful if inaled,swallowed or absorbed through skin.Repeated or extended exposures cause headache,drowsiness,weakness, stuttering,blurred vision,urinary albumin,kidneys demages,liver enlargement and haemolysis.

Substance(s) listed on the NTP report on Carcinogens:
None.
Substance(s) listed on the IARC Monographs:
2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - Group 3.
Substance(s) listed as OSHA Carcinogen(s):
None.
Substance(s) listed as NIOSH Carcinogen(s):
None.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Adopt good working practices, so that the product is not released into the environment.
SIVAWOOD Effetto naturale all'acqua - Clear WB for Natural Effect
The product is classified: Aquatic Acute 3 - H402; Aquatic Chronic 3 - H412
2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Algae = 911 mg/l - Duration h: 72 - Notes: OECD 201
Endpoint: EC50 - Species: Daphnia = 1550 mg/l - Duration h: 48 - Notes: OECD 202
Endpoint: LC50 - Species: Fish = 1474 mg/l - Duration h: 96 - Notes: OECD 203
b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Daphnia = 100 mg/l - Notes: 21 d
Endpoint: NOEC - Species: Algae = 62.5 mg/l - Duration h: 72
Hydroxyphenyl-benzotriazole derivatives EC No. 400-830-67 (CAS 104810-47-1 + CAS 104810-48-2) - Index number: 607-176-00-3
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 2.8 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 4 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae = 9 mg/l - Duration h: 72
b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Daphnia = 0.23 mg/l - Notes: 21 day
Endpoint: NOEC - Species: Fish = 1.2 mg/l - Duration h: 96
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (CAS 41556-26-7 + CAS 82919-37-7) - CAS: 1065336-91-5
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 0.9 mg/l - Duration h: 96 - Notes: OECD 203
Endpoint: EC50 - Species: Daphnia = 10 mg/l - Duration h: 24 - Notes: OECD 202
Endpoint: EC50 - Species: Algae = 1.68 mg/l - Duration h: 72 - Notes: OECD 201
b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Algae = 0.22 mg/l - Duration h: 72
Endpoint: NOEC - Species: Daphnia = 1 mg/l - Duration h: 504 - Notes: 21 days
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one - CAS: 2634-33-5
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 2.18 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 2.94 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae = 0.11 mg/l - Duration h: 72
b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Daphnia = 1.2 mg/l - Notes: 21 d
Endpoint: NOEC - Species: Fish = 0.21 mg/l - Notes: 28 d
2-methyl-2H-isothiazol-3-one - CAS: 2682-20-4
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 0.3 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 0.93 mg/l - Duration h: 48
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) (CAS 26172-55-4 + CAS 2682-20-4) - CAS: 55965-84-9
a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 0.018 mg/l - Duration h: 72
Endpoint: EC50 - Species: Daphnia = 0.126 mg/l - Duration h: 48
Endpoint: LC50 - Species: Fish = 0.188 mg/l - Duration h: 96

b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Algae = 0.0012 mg/l - Duration h: 72 - Notes: OECD 201
Endpoint: NOEC - Species: Daphnia = 0.0035 mg/l - Notes: 21d - OECD 211
Endpoint: NOEC - Species: Fish = 0.02 mg/l - Notes: 38d - OECD 210

Persistence and degradability

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2
Biodegradability: Readily biodegradable - Duration h: 28 days - %: 90.4 - Notes: OECD 301B

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5
Biodegradability: Readily biodegradable - Duration h: 28 days - %: 90 - Notes: OECD TG 301 C

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (CAS 41556-26-7 + CAS 82919-37-7) - CAS: 1065336-91-5
Biodegradability: Non-readily biodegradable - Test: Biochemical oxigen demand - Duration h: 28 days - %: 38 - Notes: OECD 301F

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one - CAS: 2634-33-5
Biodegradability: Readily biodegradable - Test: CO2 production - Duration h: 28 days - %: 100 - Notes: OECD 301B

Decamethylcyclopentasiloxane (D5) - CAS: 541-02-6
Biodegradability: Non-readily biodegradable - Duration h: 28 days - %: 0 - Notes: OECD 310

Dodecamethylcyclohexasiloxane (D6) - CAS: 540-97-6
Biodegradability: Non-readily biodegradable - Duration h: 28 days - %: 4.47 - Notes: OECD 310

octamethylcyclotetrasiloxane (D4) - CAS: 556-67-2
Biodegradability: Non-readily biodegradable - Duration h: 28 days - %: 3.7 - Notes: OECD 310

Bioaccumulative potential

Decamethylcyclopentasiloxane (D5) - CAS: 541-02-6
Bioaccumulation: Bioaccumulative

Dodecamethylcyclohexasiloxane (D6) - CAS: 540-97-6
Bioaccumulation: Bioaccumulative

octamethylcyclotetrasiloxane (D4) - CAS: 556-67-2
Bioaccumulation: Bioaccumulative

Mobility in soil

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5
Mobility in soil: Mobile

Other adverse effects

None

13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal 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.

14. TRANSPORT INFORMATION

UN number

Not classified as dangerous in the meaning of transport regulations.

UN proper shipping name

N.A.

Transport hazard class(es)

N.A.

Packing group

N.A.

Environmental hazards

ADR-Enviromental Pollutant: No

IMDG-Marine pollutant: No

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

N.A.

Special precautions

N.A.

15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

TSCA inventory: all the components are listed on the TSCA inventory.

TSCA listed substances:

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve is listed in TSCA Section 8b, Section 8d HSDR

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether is listed in TSCA Section 8b

Hydroxyphenyl-benzotriazole derivatives EC No. 400-830-67 (CAS 104810-47-1 + CAS 104810-48-2) is listed in TSCA Section 8b

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (CAS 41556-26-7 + CAS 82919-37-7) is listed in TSCA Section 8b

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one is listed in TSCA Section 8b

Decamethylcyclopentasiloxane (D5) is listed in TSCA Section 8a - PAIR, Section 8b, Section 8d HSDR

Dodecamethylcyclohexasiloxane (D6) is listed in TSCA Section 8a - PAIR, Section 8b, Section 8d HSDR

2-methyl-2H-isothiazol-3-one is listed in TSCA Section 12b, Section 8b

octamethylcyclotetrasiloxane (D4) is listed in TSCA Section 12b, Section 4 Test, Section 8a - PAIR, Section 8b, Section 8d HSDR

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) (CAS 26172-55-4 + CAS 2682-20-4) is listed in TSCA Section 12b, Section 8b.

SARA - Superfund Amendments and Reauthorization Act

Section 302 – Extremely Hazardous Substances: no substances listed.

Section 304 – Hazardous substances: no substances listed.

Section 313 – Toxic chemical list: no substances listed.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

No substances listed.

CAA - Clean Air Act

CAA listed substances:

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve is listed in CAA Section 111 >= 1% - < 2.5%

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether is listed in CAA Section 111, Section 112(b) - HON, Section 112(b) - HAP >= 1% - < 2.5%.

CWA - Clean Water Act

CWA listed substances:

None.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

None.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:
2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:
2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:
2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve.

Volatile Organic compounds - VOCs = 5.11 %
Volatile Organic compounds - VOCs = 52.62 g/l
Volatile CMR substances = 0.00 %
Organic Carbon - C = 0.03

16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

H319 Causes serious eye irritation.
H227 Combustible liquid.
H315 Causes skin irritation.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H332 Harmful if inhaled.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.
H361 Suspected of damaging fertility or the unborn child.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H318 Causes serious eye damage.
H330 Fatal if inhaled.
H311 Toxic in contact with skin.
H301 Toxic if swallowed.
H314 Causes severe skin burns and eye damage.
H226 Flammable liquid and vapour.
H413 May cause long lasting harmful effects to aquatic life.

Safety Data Sheet dated 9/19/2022, version 2
Sections modified from the previous revision:

2. HAZARD(S) IDENTIFICATION
3. COMPOSITION/INFORMATION ON INGREDIENTS
7. HANDLING AND STORAGE
8. EXPOSURE CONTROLS/PERSONAL PROTECTION
9. PHYSICAL AND CHEMICAL PROPERTIES
11. TOXICOLOGICAL INFORMATION
12. ECOLOGICAL INFORMATION
13. DISPOSAL CONSIDERATIONS
15. REGULATORY INFORMATION

Disclaimer:
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. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.
This Safety Data Sheet 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.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
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.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
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