

## Safety Data Sheet



# LWY253 IDROFLAT Opaco trasp. pennello EX - Clear WB matt by brush EX

Safety Data Sheet dated 3/18/2020, version 1

## 1. Identification

GHS Product identifier

Mixture identification:

Trade name: IDROFLAT Opaco trasp. pennello EX - Clear WB matt by brush EX

Other means of identification

Trade code: LWY253

Recommended use and restrictions on use

Recommended use:

Industrial and professional uses (SU3 - SU22)

Varnish for wood

Supplier's details

Company:

NUOVA S.I.V.A.M. SpA - Via Monviso, 10 - 20010 BAREGGIO (MI) - Tel. +39 02 90304.1

Importer:

Quincaillerie Richelieu Ltée/Richelieu Hardware Ltd.

7900 Henri-Bourassa Blvd. W.

Montreal, Quebec, Canada, H4S 1V4

Tel :+1-800-361-6000

Emergency phone number for Canada: Canutec (613) 996-6666

Distributor:

Quincaillerie Richelieu Ltée/Richelieu Hardware Ltd.

7900 Henri-Bourassa Blvd. W.

Montreal, Quebec, Canada, H4S 1V4

Tel :+1-800-361-6000

Emergency phone number for Canada: Canutec (613) 996-6666

Competent person responsible for the safety data sheet:

msds@sivam.it

Emergency phone number

NUOVA S.I.V.A.M. SpA - Tel. +39 02 90304.1 (Monday - Friday 8.00 - 15.00)

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

## 2. Hazard identification

Classification of the hazardous product

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

Aquatic Acute 3, Harmful to aquatic life.

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

GHS label elements, including precautionary statements

Hazard pictograms:



Warning

Hazard statements:

H317 May cause an allergic skin reaction.

H402 Harmful to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

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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 water/...  
 P321 Specific treatment (see ... On this label).  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P501 Dispose of contents/container in accordance with applicable regulations.

Special provisions

None

Other hazards

None

Ingredient(s) with unknown acute toxicity

None.

### 3. Composition/Information on ingredients

Substances

N.A.

Mixtures

Hazardous components within the meaning of WHMIS 2015 and related classification:

Qty	Name	Ident. Number	Classification
>= 0.5% - < 1.5%	2-(2-butoxyethoxy) ethanol; diethylene glycol monobutyl ether	Index number: 603-096-00-8 CAS: 112-34-5 EC: 203-961-6 REACH No.: 01-2119475104-44	⚠ A.3/2A Eye Irrit. 2A H319
>= 0.1% - < 1%	Hydroxyphenyl-benzotriazole derivatives EC No. 400-830-67 (CAS 104810-47-1 + CAS 104810-48-2)	Index number: 607-176-00-3 EC: 400-830-7 REACH No.: 01-0000015075-76	⚠ A.4.2/1 Skin Sens. 1 H317 ⚠ CAN-HAE/C2 Aquatic Chronic 2 H411
>= 0.1% - < 1%	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)	EC: 915-687-0 REACH No.: 01-2119491304-40	⚠ A.4.2/1 Skin Sens. 1 H317 ⚠ CAN-HAE/A1 Aquatic Acute 1 H400 ⚠ CAN-HAE/C1 Aquatic Chronic 1 H410
>= 0.1% - < 1%	ammonia ...%	Index number: 007-001-01-2 CAS: 1336-21-6 EC: 215-647-6 REACH No.: 01-2119982985-14	⚠ A.2/1B Skin Corr. 1B H314 ⚠ A.8/3 STOT SE 3 H335 ⚠ CAN-HAE/A1 Aquatic Acute 1 H400
191 ppm	octhilonone (ISO); 2-	Index 613-112-00-5	⚠ A.2/1B Skin Corr. 1B H314

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	octyl-2H-isothiazol-3-one	number: CAS: EC:	26530-20-1 247-761-7	<ul style="list-style-type: none"> <li>⚠ CAN-HAE/A1 Aquatic Acute 1 H400</li> <li>⚠ CAN-HAE/C1 Aquatic Chronic 1 H410</li> <li>⚠ A.1/3/Dermal Acute Tox. 3 H311</li> <li>⚠ A.1/3/Inhal Acute Tox. 3 H331</li> <li>⚠ A.1/4/Oral Acute Tox. 4 H302</li> </ul>
60 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	<ul style="list-style-type: none"> <li>⚠ A.1/4/Oral Acute Tox. 4 H302</li> <li>⚠ A.2/2 Skin Irrit. 2 H315</li> <li>⚠ A.4.2/1 Skin Sens. 1 H317</li> <li>⚠ A.3/1 Eye Dam. 1 H318</li> <li>⚠ CAN-HAE/A1 Aquatic Acute 1 H400</li> <li>⚠ CAN-HAE/C2 Aquatic Chronic 2 H411</li> </ul>
10 ppm	2-methyl-2H-isothiazol-3-one	CAS: EC: REACH No.:	2682-20-4 220-239-6 01-2120764690-50	<ul style="list-style-type: none"> <li>⚠ A.1/2/Inhal Acute Tox. 2 H330</li> <li>⚠ A.1/3/Dermal Acute Tox. 3 H311</li> <li>⚠ A.1/3/Oral Acute Tox. 3 H301</li> <li>⚠ A.2/1B Skin Corr. 1B H314</li> <li>⚠ A.4.2/1A Skin Sens. 1A H317</li> <li>⚠ CAN-HAE/A1 Aquatic Acute 1 H400</li> <li>⚠ CAN-HAE/C1 Aquatic Chronic 1 H410</li> </ul>
8 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)	Index number: CAS: REACH No.:	613-167-00-5 55965-84-9 01-2120764691-48	<ul style="list-style-type: none"> <li>⚠ A.2/1B Skin Corr. 1B H314</li> <li>⚠ A.4.2/1 Skin Sens. 1 H317</li> <li>⚠ A.3/1 Eye Dam. 1 H318</li> <li>⚠ CAN-HAE/A1 Aquatic Acute 1 H400</li> <li>⚠ CAN-HAE/C1 Aquatic Chronic 1 H410</li> <li>⚠ A.1/3/Oral Acute Tox. 3 H301</li> <li>⚠ A.1/3/Dermal Acute Tox. 3 H311</li> <li>⚠ A.1/2/Inhal Acute Tox. 2 H330</li> </ul>
4 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 WHMIS 2015.
4 ppm	Decamethylcyclopentasiloxane (D5)	CAS: EC: REACH No.:	541-02-06 208-764-9 01-2119511367-43	The product is not classified as dangerous according to WHMIS 2015.
4 ppm	octamethylcyclotetrasiloxane (D4)	Index number: CAS: EC: REACH No.:	014-018-00-1 556-67-2 209-136-7 01-2119529238-36	<ul style="list-style-type: none"> <li>⚠ B.6/3 Flam. Liq. 3 H226</li> <li>⚠ A.7/2 Repr. 2 H361</li> <li>CAN-HAE/C4 Aquatic Chronic 4 H413</li> </ul>

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The actual concentration of the components listed above is withheld as a trade secret.

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#### 4. First-aid measures

Description of necessary first-aid 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, if necessary

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

Treatment:

None

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#### 5. Fire-fighting measures

Suitable and unsuitable extinguishing media

Suitable extinguishing media:

Water.

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

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the hazardous product

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.

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#### 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 material for containment and cleaning up

Wash with plenty of water.

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#### 7. Handling and storage

Precautions for safe handling

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Avoid contact with skin and eyes, inhalation of vapours and mists.  
 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:  
 Contaminated 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-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5

EU - TWA(8h): 67.5 mg/m<sup>3</sup>, 10 ppm - STEL: 101.2 mg/m<sup>3</sup>, 15 ppm

ACGIH - TWA(8h): 10 ppm - Notes: (IFV) - Hematologic, liver and kidney eff  
 ammonia ...% - CAS: 1336-21-6

ACGIH - TWA: 18 mg/m<sup>3</sup>, 25 ppm - STEL: 27 mg/m<sup>3</sup>, 35 ppm

octhiline (ISO); 2-octyl-2H-isothiazol-3-one - CAS: 26530-20-1

TLV TWA - 0,2 mg/m<sup>3</sup>

TLV STEL - 0,6 mg/m<sup>3</sup>

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/m<sup>3</sup>

TLV STEL - 0,23 mg/m<sup>3</sup>

Decamethylcyclotetrasiloxane (D5) - CAS: 541-02-06

ACGIH - TWA(8h): 10 ppm

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

ACGIH - TWA(8h): 123 mg/m<sup>3</sup>, 10 ppm

DNEL Exposure Limit Values

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

Worker Industry: 101.2 mg/m<sup>3</sup> - Worker Professional: 101.2 mg/m<sup>3</sup> - Consumer: 34  
 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 67.5 mg/m<sup>3</sup> - Worker Professional: 67.5 mg/m<sup>3</sup> - Consumer: 34 mg/m<sup>3</sup>  
 - 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/m<sup>3</sup> - Worker Professional: 0.398 mg/m<sup>3</sup> - Consumer: 0.099  
 mg/m<sup>3</sup> - 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

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1,2,2,6,6-pentamethyl-4-piperidyl sebacate (CAS 41556-26-7 + CAS 82919-37-7)  
 Worker Industry: 3.53 mg/m<sup>3</sup> - Worker Professional: 3.53 mg/m<sup>3</sup> - Consumer: 0.87 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
 Worker Industry: 2 mg/kg - Worker Professional: 2 mg/kg - Consumer: 1 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
 Consumer: 0.5 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects  
 ammonia ...% - CAS: 1336-21-6  
 Worker Industry: 6.8 mg/kg - Worker Professional: 6.8 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects  
 Worker Industry: 6.8 mg/kg - Worker Professional: 6.8 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
 Worker Industry: 47.6 mg/m<sup>3</sup> - Worker Professional: 47.6 mg/m<sup>3</sup> - Consumer: 23.8 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects  
 Worker Industry: 47.6 mg/m<sup>3</sup> - Worker Professional: 47.6 mg/m<sup>3</sup> - Consumer: 23.8 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
 Worker Industry: 36 mg/m<sup>3</sup> - Worker Professional: 36 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects  
 Worker Industry: 14 mg/m<sup>3</sup> - Worker Professional: 14 mg/m<sup>3</sup> - Consumer: 2.8 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects  
 Consumer: 6.8 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects  
 Consumer: 6.8 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects  
 octamethylcyclotetrasiloxane (D4) - CAS: 556-67-2  
 Worker Industry: 73 mg/m<sup>3</sup> - Worker Professional: 73 mg/m<sup>3</sup> - Consumer: 13 mg/m<sup>3</sup> - 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-(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)  
 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  
 ammonia ...% - CAS: 1336-21-6  
 Target: Fresh Water - Value: 0.0011 mg/l

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Target: Marine water - Value: 0.0011 mg/l  
 Target: Intermittent emission - Value: 0.0068 mg/l  
 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: 100 mg/kg  
 Target: Soil (agricultural) - Value: 0.136 mg/kg

Appropriate engineering controls

None

Individual protection measures, such as personal protective equipment (PPE)

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:

Suitable gloves type:(EN374)

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

#### 9. Physical and chemical properties

Appearance and colour:	opalescent fluid
Odour:	typical
Odour threshold:	N.D.
pH:	8.5
Melting point / freezing point:	N.D. °C
Initial boiling point and boiling range:	> 100 °C
Flash point:	N.A. °C
Evaporation rate:	N.D.
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.D.
Vapour pressure:	N.D. (20 °C)
Vapour density:	> 1
Relative density:	1.030 - 1.050
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.

#### 10. Stability and reactivity

Reactivity

Stable under normal conditions

Chemical stability

Stable under normal conditions

Possibility of hazardous reactions

None

Conditions to avoid

Stable under normal conditions.

Incompatible materials

None in particular.

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Hazardous decomposition products  
None.

#### 11. Toxicological information

Information on toxicological effects

Toxicological information of the product:

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- 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  
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-(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)

- a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat = 3230 mg/kg  
Test: LD50 - Route: Skin - Species: Rabbit > 3000 mg/kg
- octhlinone (ISO); 2-octyl-2H-isothiazol-3-one - CAS: 26530-20-1
- a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat = 318 mg/kg  
Test: LD50 - Route: Skin - Species: Rabbit = 311 mg/kg  
Test: LC50 - Route: Inhalation - Species: Rat = 0.58 mg/l - Duration: 4h

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

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a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 285 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  
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

Substance(s) listed on the NTP report on Carcinogens:

None.

Substance(s) listed on the IARC Monographs:

None.

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.

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The product is classified: Aquatic Acute 3 - H402; Aquatic Chronic 3 - H412

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)

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 0.9 mg/l - Duration h: 96 - Notes: OECD 203  
Endpoint: EC50 - Species: Daphnia = 20 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 = 1 mg/l - Duration h: 504 - Notes: OECD 211 (21 day)

ammonia ...% - CAS: 1336-21-6

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 24 mg/l - Duration h: 48  
Endpoint: LC50 - Species: Fish = 0.53 mg/l - Duration h: 96

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 0.79 mg/l - Duration h: 96  
Endpoint: NOEC - Species: Fish = 0.022 mg/l - Notes: 73d

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

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- 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 = 0.004 mg/l - Notes: 21d - OECD 211
- Endpoint: NOEC - Species: Fish = 0.098 mg/l - Notes: 28d - OECD 210
- Persistence and degradability
- 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)
- Biodegradability: Non-readily biodegradable - Test: Biochemical oxygen 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: CO<sub>2</sub> production - Duration h: 28 days - %: 100 - Notes: OECD 301B
- octamethylcyclotetrasiloxane (D4) - CAS: 556-67-2
- Biodegradability: Non-readily biodegradable - Duration h: 28 days - %: 3.7 - Notes: OECD 310
- Bioaccumulative potential
- Dodecamethylcyclohexasiloxane (D6) - CAS: 540-97-6
- Bioaccumulation: Bioaccumulative
- Decamethylcyclopentasiloxane (D5) - CAS: 541-02-06
- 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

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### 13. Disposal considerations

Safe handling and methods for disposal

Recover if possible. In so doing, comply with the local and national regulations currently in force.

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### 14. Transport information

UN number

Not classified as dangerous in the meaning of transport regulations.

UN proper shipping name

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N.A.  
 Transport hazard class(es)  
 N.A.  
 Packing group  
 N.A.  
 Environmental hazards  
 ADR-Environmental 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 in connection with transport or conveyance  
 N.A.

#### 15. Regulatory information

Safety, health and environmental regulations specific for the product in question

This Safety Data Sheet has been prepared according to the Hazardous Products Regulations (HPR) - WHMIS 2015.

NPRI - National Pollutant Release Inventory

Substance(s) listed under NPRI:

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether is listed in NPRI Part 5.

DSL inventory - Domestic substances list

All the components are listed in the DSL..

NDSL inventory - Not Domestic substances list

no substances listed

TSCA inventory

All the components are listed on the TSCA inventory.

TSCA listed substances:

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

ammonia ...% is listed in TSCA Section 8b

octhilinone (ISO); 2-octyl-2H-isothiazol-3-one is listed in TSCA Section 8b, Section 8d HSDR, Section 8a - CAIR

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

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

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

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

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

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

USA - Federal regulations

SARA - Superfund Amendments and Reauthorization Act

Section 302 – Extremely Hazardous Substances: no substances listed.

Section 304 – Hazardous substances: ammonia ...%.

Section 313 – Toxic chemical list: ammonia ...%.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA: ammonia ...% - Reportable quantity: 1000 pounds.

Reportable quantity for mixture: 529352.6018 pounds.

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#### CAA - Clean Air Act

CAA listed substances:

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether is listed in CAA Section 111, Section 112(b) - HON, Section 112(b) - HAP.

#### CWA - Clean Water Act

CWA listed substances:

ammonia ...% is listed in CWA Section 311

ochthilnone (ISO); 2-octyl-2H-isothiazol-3-one is listed in CWA Section 304.

#### 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:

ammonia ...%.

##### New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

ammonia ...%.

##### Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

ammonia ...%.

Volatile Organic compounds - VOCs = 4.80 %

Volatile Organic compounds - VOCs = 50.43 g/l

Volatile CMR substances = 0.00 %

Organic Carbon - C = 0.03

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### 16. Other information

Full text of phrases referred to in Section 3:

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

H311 Toxic in contact with skin.

H331 Toxic if inhaled.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H330 Fatal if inhaled.

H301 Toxic if swallowed.

H226 Flammable liquid and vapour.

H361 Suspected of damaging fertility or the unborn child.

H413 May cause long lasting harmful effects to aquatic life.

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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.

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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