

## Safety Data Sheet

# LWT613 IDROLACK 30 Finitura bianca interno - White WB top coat interior

Safety Data Sheet dated 3/20/2023, version 2

### 1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: IDROLACK 30 Finitura bianca interno - White WB top coat interior

Other means of identification:

Trade code: LWT613

Recommended use of the chemical and restrictions on use

Recommended use:

IS- Industrial use

PW - Professional use

Water-based paint

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

The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

Label elements

The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazard pictograms:

None

Hazard statements:

None

Precautionary statements:

None

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:

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HMIS rating:

HEALTH	/ 1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

### 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
>= 12.5% - < 15%	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter <= 10 µm]	Index number: 022-006-00-2 CAS: 13463-67-7 EC: 236-675-5 REACH No.: 01-2119489379-17	The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).
>= 0.1% - < 0.25%	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 ⚠ US-HAE/A1 Aquatic Acute 1 H400 Specific Concentration Limits: C >= 5%: STOT SE 3 H335
441 ppm	2,4,7,9-tetramethyldec-5-yne-4,7-diol	CAS: 126-86-3 EC: 204-809-1 REACH No.: 01-2119954390-39	⚠ A.3/1 Eye Dam. 1 H318 ⚠ A.4.2/1B Skin Sens. 1B H317 US-HAE/C3 Aquatic Chronic 3 H412
18 ppm	Decamethylcyclopentasiloxane (D5)	CAS: 541-02-6 EC: 208-764-9 REACH No.: 01-2119511367-43	The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

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18 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).
14 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.3/1 Eye Dam. 1 H318</li> <li>⚠ A.4.2/1 Skin Sens. 1 H317</li> <li>⚠ US-HAE/A1 Aquatic Acute 1 H400</li> <li>⚠ US-HAE/C2 Aquatic Chronic 2 H411</li> </ul> Specific Concentration Limits: C >= 0,05%: Skin Sens. 1 H317
13 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	<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>⚠ US-HAE/A1 Aquatic Acute 1 H400</li> <li>⚠ US-HAE/C1 Aquatic Chronic 1 H410</li> </ul> Specific Concentration Limits: C >= 0,0015%: Skin Sens. 1 H317
7 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>US-HAE/C4 Aquatic Chronic 4 H413</li> </ul>
7 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.3/1 Eye Dam. 1 H318</li> <li>⚠ A.4.2/1 Skin Sens. 1 H317</li> <li>⚠ US-HAE/A1 Aquatic Acute 1 H400</li> <li>⚠ US-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> 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
31 ppb	bronopol (INN); 2-bromo-2-nitropropane-	Index number:	603-085-00-8	⚠ A.1/4/Dermal Acute Tox. 4 H312

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	1,3-diol	CAS: 52-51-7 EC: 200-143-0 REACH No.: 01. 2119980938 -15	⚠ A.1/4/Oral Acute Tox. 4 H302 ⚠ A.2/2 Skin Irrit. 2 H315 ⚠ A.3/1 Eye Dam. 1 H318 ⚠ A.8/3 STOT SE 3 H335 ⚠ US-HAE/A1 Aquatic Acute 1 H400 ⚠ US-HAE/C2 Aquatic Chronic 2 H411
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#### 4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Wash with plenty of water and soap.

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

Treatment:

None

#### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Water.

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

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

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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.  
See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

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

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ] - CAS: 13463-67-7

ACGIH - TWA(8h): 0.2 mg/m<sup>3</sup> - Notes: Nanoscale particles; (R ); A3 - LRT irr, pneumoconiosis

ACGIH - TWA(8h): 2.5 mg/m<sup>3</sup> - Notes: Finescale particles; (R ); A3 - LRT irr, pneumoconiosis

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

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

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

ACGIH - TWA(8h): 10 ppm

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

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

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

DNEL Exposure Limit Values

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ] - CAS: 13463-67-7

Worker Industry: 3.3 mg/m<sup>3</sup> - Worker Professional: 3.3 mg/m<sup>3</sup> - Exposure: Human

Inhalation - 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

2,4,7,9-tetramethyldec-5-yne-4,7-diol - CAS: 126-86-3

Worker Industry: 0.5 - Worker Professional: 0.5 mg/kg - Consumer: 0.25 mg/kg -

Exposure: Human Dermal - Frequency: Long Term, systemic effects

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- Worker Industry: 1.76 - Worker Professional: 1.76 mg/m<sup>3</sup> - Consumer: 0.43 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
- Decamethylcyclopentasiloxane (D5) - CAS: 541-02-6  
 Worker Industry: 24.2 mg/m<sup>3</sup> - Worker Professional: 24.2 mg/m<sup>3</sup> - Consumer: 4.3 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects  
 Worker Industry: 97.3 mg/m<sup>3</sup> - Worker Professional: 97.3 mg/m<sup>3</sup> - Consumer: 17.3 mg/m<sup>3</sup> - 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/m<sup>3</sup> - Worker Professional: 6.1 mg/m<sup>3</sup> - Consumer: 1.5 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects  
 Worker Industry: 11 mg/m<sup>3</sup> - Worker Professional: 11 mg/m<sup>3</sup> - Consumer: 2.7 mg/m<sup>3</sup> - 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/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: Long Term, local effects  
 Consumer: 3.7 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
- PNEC Exposure Limit Values**
- titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter <= 10 µm] - CAS: 13463-67-7  
 Target: Fresh Water - Value: 0.184 mg/l  
 Target: Marine water - Value: 0.0184 mg/l  
 Target: Intermittent emission - Value: 0.61 mg/l  
 Target: Freshwater sediments - Value: 1000 mg/kg  
 Target: Marine water sediments - Value: 100 mg/kg  
 Target: Microorganisms in sewage treatments - Value: 100 mg/l  
 Target: Soil (agricultural) - Value: 100 mg/kg  
 Target: Food chain - Value: 1667 mg/kg
- ammonia ...% - CAS: 1336-21-6  
 Target: Fresh Water - Value: 0.0011 mg/l  
 Target: Marine water - Value: 0.0011 mg/l  
 Target: Intermittent emission - Value: 0.0068 mg/l
- 2,4,7,9-tetramethyldec-5-yne-4,7-diol - CAS: 126-86-3  
 Target: Fresh Water - Value: 0.04 mg/l  
 Target: Marine water - Value: 0.004 mg/l  
 Target: Freshwater sediments - Value: 0.32 mg/kg  
 Target: Marine water sediments - Value: 0.032 mg/kg  
 Target: Microorganisms in sewage treatments - Value: 7 mg/l  
 Target: Soil (agricultural) - Value: 0.028 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: 0.0015 mg/l

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Target: Marine water - Value: 0.00015 mg/l  
 Target: Freshwater sediments - Value: 3 mg/kg  
 Target: Marine water sediments - Value: 0.3 mg/kg  
 Target: Microorganisms in sewage treatments - Value: 10 mg/kg  
 Target: Soil (agricultural) - Value: 0.54 mg/kg  
 Target: Food chain - Value: 41 mg/kg

Appropriate engineering controls:

None

Individual protection measures

Eye protection:

Eye glasses with side protection. (EN166)

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Chemical resistant gloves (EN374).

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	Liquid, White
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:	1.160 - 1.180
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.

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## 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



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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  
Not classified  
No data available for the product
- e) germ cell mutagenicity  
Not classified  
No data available for the product
- f) carcinogenicity  
Not classified  
No data available for the product
- g) reproductive toxicity  
Not classified  
No data available for the product
- h) STOT-single exposure  
Not classified  
No data available for the product
- i) STOT-repeated exposure  
Not classified  
No data available for the product
- j) aspiration hazard  
Not classified  
No data available for the product

Toxicological information of the main substances found in the product:

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ] - CAS: 13463-67-7

- a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg - Source: OECD 425  
Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg  
Test: LC50 - Route: Inhalation Dust - Species: Rat > 3.5 mg/l - Duration: 4h

2,4,7,9-tetramethyldec-5-yne-4,7-diol - CAS: 126-86-3

- a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat > 2000 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 = 490 mg/kg  
Test: LD50 - Route: Skin - Species: Rat = 2000 mg/kg

2-methyl-2H-isothiazol-3-one - CAS: 2682-20-4

- a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat = 120 mg/kg  
Test: LD50 - Route: Skin - Species: Rat = 242 mg/kg  
Test: LC50 - Route: Inhalation - Species: Rat = 0.11 mg/l - Duration: 4h
- octamethylcyclotetrasiloxane (D4) - CAS: 556-67-2



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a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 4800 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 36 mg/l - Duration: 4h

Test: LD50 - Route: Skin - Species: Rabbit = 2.5 ml/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

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

None.

Substance(s) listed on the IARC Monographs:

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter <= 10 µm] - Group 2B.

Substance(s) listed as OSHA Carcinogen(s):

None.

Substance(s) listed as NIOSH Carcinogen(s):

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter <= 10 µm].

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

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

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Not classified for environmental hazards

No data available for the product

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

2,4,7,9-tetramethyldec-5-yne-4,7-diol - CAS: 126-86-3

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 15 mg/l - Duration h: 72

Endpoint: EC50 - Species: Daphnia = 91 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish = 36 mg/l - Duration h: 96

Endpoint: LC50 - Species: Fish = 42 mg/l - Duration h: 24

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 = 0.0403 mg/l - Duration h: 72

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

Endpoint: EC50 - Species: Algae = 0.072 mg/l - Duration h: 96

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 2.1 mg/l - Notes: 33 day

Endpoint: NOEC - Species: Algae = 0.072 mg/l - Duration h: 96

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Endpoint: NOEC - Species: Algae = 0.05 mg/l - Duration h: 120  
 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

bronopol (INN); 2-bromo-2-nitropropane-1,3-diol - CAS: 52-51-7

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 1.4 mg/l - Duration h: 48  
 Endpoint: LC50 - Species: Fish = 35.7 mg/l - Duration h: 96  
 Endpoint: EC50 - Species: Algae = 2.8 mg/l - Duration h: 72

Persistence and degradability

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

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

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

N.A.

Other adverse effects

None

### 13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal methods

Recover if possible. 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

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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  
 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:

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ] is listed in TSCA Section 8b

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

2,4,7,9-tetramethyldec-5-yne-4,7-diol 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

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

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

bronopol (INN); 2-bromo-2-nitropropane-1,3-diol is listed in TSCA Section 8b.

###### 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: 678656.2606 pounds.

###### CAA - Clean Air Act

CAA listed substances:

None.

###### CWA - Clean Water Act

CWA listed substances:

ammonia ...% is listed in CWA Section 311.

##### USA - State specific regulations

###### California Proposition 65

Substance(s) listed under California Proposition 65:

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ] - Listed as carcinogen.

###### Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ]

ammonia ...%.

###### New Jersey Right to know

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

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titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ]  
ammonia ...%.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ]  
ammonia ...%.

Volatile Organic compounds - VOCs = 5.04 %

Volatile Organic compounds - VOCs = 59.48 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:

- H314 Causes severe skin burns and eye damage.
- H335 May cause respiratory irritation.
- H400 Very toxic to aquatic life.
- H318 Causes serious eye damage.
- H317 May cause an allergic skin reaction.
- H412 Harmful to aquatic life with long lasting effects.
- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H411 Toxic to aquatic life with long lasting effects.
- H330 Fatal if inhaled.
- H311 Toxic in contact with skin.
- H301 Toxic if swallowed.
- H410 Very toxic to aquatic life with long lasting effects.
- H226 Flammable liquid and vapour.
- H361 Suspected of damaging fertility or the unborn child.
- H413 May cause long lasting harmful effects to aquatic life.
- H319 Causes serious eye irritation.
- H312 Harmful in contact with skin.

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Sections modified from the previous revision:

- 1. IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 10. STABILITY AND REACTIVITY
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 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.

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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