

Safety Data Sheet

LWT614 IDROLACK 40 Finitura bianca interno - White WB top coat interior

Safety Data Sheet dated 7/3/2019, version 1

1. Identification

GHS Product identifier
Mixture identification:
Trade name: IDROLACK 40 Finitura bianca interno - White WB top coat interior
Other means of identification
Trade code: LWT614

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 :+1-514-832-4010
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 :+1-514-832-4010
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
Aquatic Acute 3, Harmful to aquatic life.

GHS label elements, including precautionary statements
Hazard pictograms:
None
Hazard statements:
H402 Harmful to aquatic life.
Precautionary statements:
P273 Avoid release to the environment.
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:

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Qty	Name	Ident. Number	Classification
>= 10% - < 30%	Titanium Dioxide	CAS: 13463-67-7 EC: 236-675-5 REACH No.: 01-2119489379-17	The product is not classified as dangerous according to WHMIS 2015.
>= 1% - < 5%	2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve	Index number: 603-014-00-0 CAS: 111-76-2 EC: 203-905-0 REACH No.: 01-2119475108-36	<ul style="list-style-type: none"> ⚠ A.2/2 Skin Irrit. 2 H315 ⚠ A.3/2A Eye Irrit. 2A H319 B.6/4 Flam. Liq. 4 H227 ⚠ A.1/4/Oral Acute Tox. 4 H302 ⚠ A.1/4/Dermal Acute Tox. 4 H312 ⚠ A.1/4/Inhal Acute Tox. 4 H332
>= 0.1% - < 1%	ammonia ...%	Index number: 007-001-01-2 CAS: 1336-21-6 EC: 215-647-6 REACH No.: 01-2119982985-14	<ul style="list-style-type: none"> ⚠ A.2/1B Skin Corr. 1B H314 ⚠ A.8/3 STOT SE 3 H335 ⚠ CAN-HAE/A1 Aquatic Acute 1 H400
17 ppm	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	Index number: 613-088-00-6 CAS: 2634-33-5 EC: 220-120-9 REACH No.: 01-2120761540-60	<ul style="list-style-type: none"> ⚠ A.2/2 Skin Irrit. 2 H315 ⚠ A.4.2/1 Skin Sens. 1 H317 ⚠ A.3/1 Eye Dam. 1 H318 ⚠ CAN-HAE/A1 Aquatic Acute 1 H400 ⚠ A.1/4/Oral Acute Tox. 4 H302
4 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: 613-167-00-5 CAS: 55965-84-9	<ul style="list-style-type: none"> ⚠ A.2/1B Skin Corr. 1B H314 ⚠ A.4.2/1 Skin Sens. 1 H317 ⚠ A.3/1 Eye Dam. 1 H318 ⚠ CAN-HAE/A1 Aquatic Acute 1 H400 ⚠ CAN-HAE/C1 Aquatic Chronic 1 H410 ⚠ A.1/3/Oral Acute Tox. 3 H301 ⚠ A.1/3/Dermal Acute Tox. 3 H311 ⚠ A.1/3/Inhal Acute Tox. 3 H331
144 ppb	2-metil-2H-isotiazol-3-one	CAS: 2682-20-4 EC: 220-239-6 REACH No.: 01-2120764690-50	<ul style="list-style-type: none"> ⚠ 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 ⚠ CAN-HAE/A1 Aquatic Acute 1 H400 ⚠ CAN-HAE/C1 Aquatic Chronic 1 H410

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

4. First-aid measures

Description of necessary first-aid 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, if necessary

Treatment:

None

5. Fire-fighting measures

Suitable and unsuitable extinguishing media

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Suitable extinguishing media:

Water.
Carbon dioxide (CO₂).

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.

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.

7. Handling and storage

Precautions for safe handling

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.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

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 - CAS: 13463-67-7

ACGIH - TWA(8h): 10 mg/m³ - Notes: A4 - LRT irr

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

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

ACGIH - TWA: 18 mg/m³, 25 ppm - STEL: 27 mg/m³, 35 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

Titanium Dioxide - CAS: 13463-67-7

Worker Industry: 10 mg/m³ - Worker Professional: 10 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Consumer: 700 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

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

Worker Industry: 125 mg/kg - Worker Professional: 125 mg/kg - Consumer: 75 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 98 mg/m³ - Worker Professional: 98 mg/m³ - Consumer: 59 mg/m³ - Exposure: Human Inhalation

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- Frequency: Long Term, systemic effects
 Consumer: 6.3 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/m3 - Worker Professional: 47.6 mg/m3 - Consumer: 23.8 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
 Worker Industry: 47.6 mg/m3 - Worker Professional: 47.6 mg/m3 - Consumer: 23.8 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
 Worker Industry: 36 mg/m3 - Worker Professional: 36 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects
 Worker Industry: 14 mg/m3 - Worker Professional: 14 mg/m3 - Consumer: 2.8 mg/m3 - 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
 PNEC Exposure Limit Values
 Titanium Dioxide - 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
 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: Intermittent emission - Value: 9.1 mg/l
 Target: Freshwater sediments - Value: 8.14 mg/kg
 Target: Marine water sediments - Value: 3.46 mg/kg
 Target: Microorganisms in sewage treatments - Value: 463 mg/l
 Target: Food chain - Value: 20 mg/kg
 Target: Soil (agricultural) - Value: 2.33 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
 Appropriate engineering controls
 None
 Individual protection measures, such as personal protective equipment (PPE)
 Eye protection:
 Eye glasses with side protection. (EN166)
 Protection for skin:
 No special precaution must be adopted for normal use.
 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:	white 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.
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

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Relative density:	1.160 - 1.180
Solubility in water:	miscible
Solubility in oil:	N.D.
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	It may generate flammable gases on contact with elementary metals (alkalis and alkaline earth), nitrides, and powerful reducing agents. It may catch fire on contact with oxidising mineral acids, elementary metals (alkalis and alkaline earth), nitrides, organic peroxides and hydroperoxides, oxidising agents, and reducing agents.
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:	IDROLACK 40 Finitura bianca interno - White WB top coat interior
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 - 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-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2

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a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1300 mg/kg
 Test: LC50 - Route: Inhalation - Species: Rat > 523 Ppm - Duration: 4h
 Test: LC50 - Route: Skin - Species: Rabbit > 435 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

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-metil-2H-isotiazol-3-one - CAS: 2682-20-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 285 mg/kg

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

The product is harmful if inhaled, swallowed or absorbed through skin. Repeated or extended exposures cause headache, drowsiness, weakness, stuttering, blurred vision, urinary albumin, kidneys damages, liver enlargement and haemolysis.

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

None.

Substance(s) listed on the IARC Monographs:

Titanium Dioxide - Group 2B

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):

Titanium Dioxide.

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

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

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 623 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

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
 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

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

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Endpoint: NOEC - Species: Daphnia = 0.004 mg/l - Notes: 21d - OECD 211
 Endpoint: NOEC - Species: Fish = 0.098 mg/l - Notes: 28d - OECD 210
 2-metil-2H-isotiazol-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
 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
 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
 Bioaccumulative potential
 N.A.
 Mobility in soil
 N.A.
 Other adverse effects
 None

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.

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-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-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve 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:
 Titanium Dioxide is listed in TSCA Section 8b
 2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve is listed in TSCA Section 8b, Section 8d HSDR
 ammonia ...% is listed in TSCA Section 8b
 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one is listed in TSCA 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
 2-metil-2H-isotiazol-3-one is listed in TSCA Section 12b, Section 8b.

USA - Federal regulations
 SARA - Superfund Amendments and Reauthorization Act

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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: 768049.1551 pounds.

CAA - Clean Air Act

CAA listed substances:

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve is listed in CAA Section 111.

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 - Listed as carcinogen.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

Titanium Dioxide

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve

ammonia ...%.

New Jersey Right to know

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

Titanium Dioxide

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve

ammonia ...%.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

Titanium Dioxide

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve

ammonia ...%.

Volatile Organic compounds - VOCs = 5.27 %

Volatile Organic compounds - VOCs = 62.15 g/l

Volatile CMR substances = 0.00 %

Organic Carbon - C = 0.03

16. Other information

Full text of phrases referred to in Section 3:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H227 Combustible liquid.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H410 Very toxic to aquatic life with long lasting effects.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H331 Toxic if inhaled.

H330 Fatal if inhaled.

Safety Data Sheet dated 7/3/2019, version 1

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.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

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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