**Safety Data Sheet**
**VERTIWRAP VPL LT**
Safety Data Sheet dated: 09/09/2024 - version 1
Date of first edition: 09/09/2024

## 1. IDENTIFICATION

**Product identifier**

Mixture identification:

Trade name: VERTIWRAP VPL LT

Trade code: PLY0152

**Recommended use of the chemical and restrictions on use**

Recommended use: Liquid membrane based on synthetic polymers water dispersion

Restrictions on use: Not available

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

Company: Polyglass U.S.A. Inc.

1111 West Newport Center Drive - 33442 - Deerfield Beach - FL - USA

Phone: 866-222-9782

Responsible: RDProductSafety@mapei.com

**Emergency 24 hour numbers:**

Emergency Number (USA/Canada) CHEMTREC 1(800) 424-9300 / 1(703) 527-3887

Emergency Transport CANUTEC (Canada) 1-613-996-6666

## 2. HAZARD(S) IDENTIFICATION

**Classification of the chemical**

| | |
|---|---|
| Specific target organ toxicity following single exposure, Category 1 | Causes damage to organs if inhaled, in contact with skin and if swallowed. |
| Acute aquatic hazard, category 3 | Harmful to aquatic life |
| Chronic (long term) aquatic hazard, category 3 | Harmful to aquatic life with long lasting effects. |

**Label elements**

**Hazard pictograms and Signal Word**

Danger

**Hazard statements**

| | |
|---|---|
| H370 | Causes damage to organs if inhaled, in contact with skin and if swallowed. |
| 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. |
| P260 | Do not breathe mist/vapours/spray. |
| P264 | Wash skin thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P308+P311 | IF exposed or concerned: Call a doctor. |
| P501 | Dispose of contents/container in accordance with applicable regulations. |

**Ingredient(s) with unknown acute toxicity:**

None

**Hazards not otherwise classified identified during the classification process:**

None

This product contains crystalline silica (quartz sand). IARC has classified crystalline silica as a Group 1 carcinogen. Both IARC and NTP consider silica as a known human carcinogen. Evidence is based on the chronic and long-term exposure workers have had to respirable sized crystalline silica dust particles. Because this product is in liquid or paste form, it does not pose a dust hazard; therefore, this classification is not relevant. (Note: sanding of the hardened product may create a silica dust hazard)

This product contains titanium dioxide which IARC has classified as a Group 2B carcinogen (possibly carcinogenic to humans). Evidence is based on sufficient animal testing as a result of long-term inhalation at high concentrations of respirable amounts of titanium dioxide. Because this product is in liquid or paste form, it does not pose a dust hazard; therefore, this classification is not relevant. (Note: sanding of the hardened product may create a dust hazard)

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substances**

Not Relevant

**Mixtures**

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

**List of components**

| Qty | Name | Ident. Numb. | Classification | Registration Number |
|---|---|---|---|---|
| 1-2.5 % | methyl alcohol; Methanol | CAS:67-56-1<br>EC:200-659-6<br>Index:603-001-00-X | Flam. Liq. 2, H225; STOT SE 1, H370; Acute Tox. 3, H301; Acute Tox. 3, H331; Acute Tox. 3, H311 | 01-2119433307-44-XXXX |
| 1-2.5 % | zinc oxide; oxozinc | CAS:1314-13-2<br>EC:215-222-5<br>Index:030-013-00-7 | Aquatic Acute 1, H400; Aquatic Chronic 1, H410 | 01-2119463881-32-xxxx |
| 0.49-1 % | titanium dioxide; Dioxotitanium | CAS:13463-67-7<br>EC:236-675-5<br>Index:022-006-00-2 | Carc. 2, H351 | 01-2119489379-17-XXXX |
| 0.1-0.25 % | silica sand; quartz | CAS:14808-60-7<br>EC:238-878-4 | STOT RE 1, H372; Carc. 1A, H350 | |

## 4. FIRST AID MEASURES

**Description of first aid measures**

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose of safely.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

**Most important symptoms/effects, acute and delayed**

Not available

**Indication of any immediate medical attention and special treatment needed**

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

Treatment:

(see paragraph 4.1)

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media**

Suitable extinguishing media:

Water.

Carbon dioxide ($CO_2$).

**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: Not available
Explosive properties: Not available
Oxidizing properties: Not available

**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.
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Limit leakages with earth or sand.

**Methods and material for containment and cleaning up**

Suitable material for taking up: absorbing material, organic, sand
Retain contaminated washing water and dispose it.

## 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.
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: Not available

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Community Occupational Exposure Limits (OEL)**

| | OEL Type | Country | Occupational Exposure Limit |
|---|---|---|---|
| methyl alcohol; Methanol<br>CAS: 67-56-1 | EU | | Long Term: 260 mg/m3 - 200 ppm<br>Skin |
| | ACGIH | | Long Term: 200 ppm; Short Term: 250 ppm<br>Skin, BEI - Headache, eye dam, dizziness, nausea |
| | MAK | GERMANY | Long Term: 130 mg/m3 - 100 ppm |
| | OSHA | | Long Term: 260 mg/m3 - 200 ppm |
| | ACGIH | | Long Term: 200 ppm; Short Term: 250 ppm<br>Skin - potential significant contribution to overall exposure by the cutaneous route;eye damage;headache;dizziness;nausea |
| | EU | | Long Term: 260 mg/m3 - 200 ppm<br>Behaviour Indicative<br>Possibility of significant uptake through the skin |
| | MAK | AUSTRIA | Long Term: 260 mg/m3 - 200 ppm; Short Term: 1040 mg/m3 - 800 ppm |
| | MAK | SWITZERLAND | Long Term: 260 mg/m3 - 200 ppm |

| | | | |
|---|---|---|---|
| zinc oxide; oxozinc<br>CAS: 1314-13-2 | ACGIH | | Long Term: 2 mg/m3; Short Term: 10 mg/m3<br>(R) - Metal fume fever |
| | OSHA | | Long Term: 5 mg/m3 |
| | OSHA | | Long Term: 15 mg/m3 |
| | ACGIH | | Long Term: 2 mg/m3; Short Term: 10 mg/m3<br>metal fume fever |
| | MAK | AUSTRIA | Long Term: 5 mg/m3 |
| | MAK | SWITZERLAND | Long Term: 3 mg/m3 |
| titanium dioxide; Dioxotitanium<br>CAS: 13463-67-7 | ACGIH | | Long Term: 10 mg/m3<br>A4 - LRT irr |
| | MAK | GERMANY | Long Term: 0.3 mg/m3 |
| | OSHA | | Long Term: 15 mg/m3 |
| | ACGIH | | Long Term: 10 mg/m3<br>A4 - Not Classifiable as a Human Carcinogen;lower respiratory tract irritation |
| | MAK | AUSTRIA | Long Term: 5 mg/m3; Short Term: 10 mg/m3 |
| | MAK | SWITZERLAND | Long Term: 3 mg/m3 |
| silica sand; quartz<br>CAS: 14808-60-7 | ACGIH | | Long Term: 0.025 mg/m3<br>A2 - Suspected Human Carcinogen;lung cancer;pulmonary fibrosis |
| | MAK | AUSTRIA | Long Term: 0.15 mg/m3 |
| | ACGIH | | Long Term: 0.025 mg/m3<br>(R), A2 - Pulm fibrosis, lung cancer |
| | MAK | SWITZERLAND | Long Term: 0.15 mg/m3 |
| | EU | | Long Term: 0.1 mg/m3<br>Behaviour Binding |

**Biological limit values**

| | |
|---|---|
| methyl alcohol; Methanol<br>CAS: 67-56-1 | Biological Indicator: Methyl alcohol; Sampling Period: End of turn<br>Value: 15 mg/L; Medium: Urine<br>Remark: Background; Not Specific |

**Predicted No Effect Concentration (PNEC) values**

| | |
|---|---|
| methyl alcohol; Methanol<br>CAS: 67-56-1 | Exposure Route: Fresh Water; PNEC Limit: 154 mg/l |
| | Exposure Route: Marine water; PNEC Limit: 15.4 mg/l |
| | Exposure Route: Freshwater sediments; PNEC Limit: 570.4 mg/kg |
| | Exposure Route: Soil; PNEC Limit: 23.5 mg/kg |
| | Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 100 mg/l |
| | Exposure Route: Intermittent release; PNEC Limit: 1540 mg/l |
| titanium dioxide; Dioxotitanium<br>CAS: 13463-67-7 | Exposure Route: Fresh Water; PNEC Limit: 0.184 mg/l |
| | Exposure Route: Soil; PNEC Limit: 100 mg/kg |
| | Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 100 mg/l |
| | Exposure Route: Marine water; PNEC Limit: 0.0184 mg/l |
| | Exposure Route: Marine water sediments; PNEC Limit: 100 mg/kg |
| | Exposure Route: Freshwater sediments; PNEC Limit: 1000 mg/kg |
| | Exposure Route: Intermittent release; PNEC Limit: 0.193 mg/l |

**Derived No Effect Level (DNEL) values**

| | |
|---|---|
| methyl alcohol; Methanol<br>CAS: 67-56-1 | Exposure Route: Human Dermal; Exposure Frequency: Short Term, systemic effects<br>Worker Industry: 40 mg/kg; Consumer: 8 mg/kg |
| | Exposure Route: Human Inhalation; Exposure Frequency: Short Term, systemic effects<br>Worker Industry: 260 mg/m3; Consumer: 50 mg/m3 |

| | |
|---|---|
| | Exposure Route: Human Inhalation; Exposure Frequency: Short Term, local effects<br>Worker Industry: 260 mg/m3; Consumer: 50 mg/m3 |
| | Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects<br>Worker Industry: 40 mg/kg; Consumer: 8 mg/kg |
| | Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects<br>Worker Industry: 260 mg/m3; Consumer: 50 mg/m3 |
| | Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects<br>Worker Industry: 260 mg/m3; Consumer: 50 mg/m3 |
| | Exposure Route: Human Oral; Exposure Frequency: Short Term, systemic effects<br>Consumer: 8 mg/kg |
| | Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects<br>Consumer: 8 mg/kg |
| titanium dioxide; Dioxotitanium<br>CAS: 13463-67-7 | Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects<br>Worker Industry: 0.17 mg/m3 |
| | Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects<br>Consumer: 0.028 mg/m3 |

Appropriate engineering controls: Not available

**Individual protection measures**

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

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

Protection for hands:

Suitable materials for safety gloves; 29 CFR 1910.138 - ANSI/ISEA 105:

Polychloroprene - CR: thickness >=0,5mm; breakthrough time >=480min.

Nitrile rubber - NBR: thickness >=0,35mm; breakthrough time >=480min.

Butyl rubber - IIR: thickness >=0,5mm; breakthrough time >=480min.

Fluorinated rubber - FKM: thickness >=0,4mm; breakthrough time >=480min.

Use impervious gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Respiratory protection must be used where exposure levels exceed workplace exposure limits. Refer to 29 CFR 1910.134 - CSA Z94.4 for information on selection and use of appropriate respiratory protection equipment.

Use adequate protective respiratory equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

Physical state: Liquid

Appearance and colour: green

Odour: ammonia

Odour threshold: No data available

pH: 10.50

pH (water dispersion, 10%): 9.10

Melting point / freezing point: No data available

Initial boiling point and boiling range: No data available

Flash point: 100 °C (212 °F)

Evaporation rate: No data available

Upper/lower flammability or explosive limits: No data available

Vapour density: No data available

Vapour pressure: No data available

Relative density: 1.22 g/cm3

Solubility in water: easily soluble

Solubility in oil: No data available

Partition coefficient (n-octanol/water): No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

Explosive properties: No data available

Oxidizing properties: No data available

Solid/gas flammability: No data available

**Other information**

Substance Groups relevant properties No data available

Miscibility: No data available

Fat Solubility: No data available

Conductivity: No data available

## 10. STABILITY AND REACTIVITY

**Reactivity**

Stable under normal conditions

**Chemical stability**

Data not available.

**Possibility of hazardous reactions**

None.

**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 Preparation**

| | |
|---|---|
| a) acute toxicity | Not classified |
| | Based on available data, the classification criteria are not met |
| b) skin corrosion/irritation | Not classified |
| | Based on available data, the classification criteria are not met |
| c) serious eye damage/irritation | Not classified |
| | Based on available data, the classification criteria are not met |
| d) respiratory or skin sensitisation | Not classified |
| | Based on available data, the classification criteria are not met |
| e) germ cell mutagenicity | Not classified |
| | Based on available data, the classification criteria are not met |
| f) carcinogenicity | Not classified |
| | Based on available data, the classification criteria are not met |
| g) reproductive toxicity | Not classified |
| | Based on available data, the classification criteria are not met |
| h) STOT-single exposure | The product is classified: Specific target organ toxicity following single exposure, Category 1(H370) |
| i) STOT-repeated exposure | Not classified |
| | Based on available data, the classification criteria are not met |
| j) aspiration hazard | Not classified |
| | Based on available data, the classification criteria are not met |

**Toxicological information on main components of the mixture:**

| | | |
|---|---|---|
| methyl alcohol; Methanol | a) acute toxicity | LD50 Skin Rabbit > 17100 mg/kg |
| zinc oxide; oxozinc | a) acute toxicity | LD50 Oral Rat > 5000 mg/kg |
| | | LC50 Inhalation Rat > 5.7 mg/l 4h |
| titanium dioxide; Dioxotitanium | a) acute toxicity | LD50 Oral Rat > 5000 mg/kg |
| | | LD50 Skin Rat > 2000 mg/m3 |
| | | LC50 Inhalation Dust Rat > 6.82 mg/l 4h |
| | | LD50 Skin Rabbit > 10000 mg/kg |

| | | |
|---|---|---|
| silica sand; quartz | a) acute toxicity | LD50 Oral > 2000 mg/kg |
| | | LD50 Skin > 2000 mg/kg |

**Substance(s) listed on the IARC Monographs:**

| | |
|---|---|
| titanium dioxide; Dioxotitanium | Group 2B |
| silica sand; quartz | Group 1 |

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

titanium dioxide; Dioxotitanium

silica sand; quartz

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

titanium dioxide; Dioxotitanium

silica sand; quartz

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

silica sand; quartz

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## 12. ECOLOGICAL INFORMATION

**Toxicity**

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

Eco-Toxicological Information:

**List of Eco-Toxicological properties of the product**

The product is classified: Acute aquatic hazard, category 3(H402), Chronic (long term) aquatic hazard, category 3(H412)

**List of Eco-Toxicological properties of the components**

| Component | Ident. Numb. | Ecotox Data |
|---|---|---|
| methyl alcohol; Methanol | CAS: 67-56-1 - EINECS: 200-659-6 - INDEX: 603-001-00-X | a) Aquatic acute toxicity : LC50 Fish 15400 mg/L 96h |
| | | b) Aquatic chronic toxicity : NOEC Fish = 450 mg/L |
| zinc oxide; oxozinc | CAS: 1314-13-2 - EINECS: 215-222-5 - INDEX: 030-013-00-7 | a) Aquatic acute toxicity : EC50 Daphnia = 0.413 mg/L 48h |
| | | a) Aquatic acute toxicity : LC50 Algae = 0.136 mg/L 72h |
| | | a) Aquatic acute toxicity : LC50 Fish Danio rerio = 1.55 mg/L 96h ECHA |
| titanium dioxide; Dioxotitanium | CAS: 13463-67-7 - EINECS: 236-675-5 - INDEX: 022-006-00-2 | a) Aquatic acute toxicity : LC50 Fish > 100 mg/L 96 |
| | | a) Aquatic acute toxicity : EC50 Algae = 16 mg/L 72 |
| | | a) Aquatic acute toxicity : NOEC Algae = 5600 mg/L 72 |
| | | a) Aquatic acute toxicity : EC50 Daphnia > 100 mg/L 48 |

**Persistence and degradability**

| Component | Persitence/Degradability: |
|---|---|
| methyl alcohol; Methanol | Readily biodegradable |

**Bioaccumulative potential**

N.A.

**Mobility in soil**

N.A.

**Other adverse effects**

N.A.

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

Methods of disposal:

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty containers or liners may retain some product residues. Do not re-use empty containers.

## 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

**UN number**

DOT-UN Number: Not Applicable

ADR-UN number: Not Applicable

IATA-Un number: Not Applicable

IMDG-Un number: Not Applicable

**UN proper shipping name**

DOT-Proper Shipping Name: Not Applicable

ADR-Shipping Name: Not Applicable

IATA-Technical name: Not Applicable

IMDG-Technical name: Not Applicable

**Transport hazard class(es)**

DOT-Hazard Class: Not Applicable

ADR-Class: Not Applicable

IATA-Class: Not Applicable

IMDG-Class: Not Applicable

**Packing group**

DOT Packing Group: Not Applicable

ADR-Packing Group: Not Applicable

IATA-Packing group: Not Applicable

IMDG-Packing group: Not Applicable

**Environmental hazards**

Marine pollutant: No

Environmental Pollutant: Not Applicable

DOT-RQ: Yes DOT-RQ - Quantity: 1000 lbs

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not Applicable

**Special precautions**

Department of Transportation (DOT):

Not Applicable

Road and Rail ( ADR-RID ) :

Not Applicable

Air ( IATA ) :

Not Applicable

Sea ( IMDG ) :

Not Applicable

## 15. REGULATORY INFORMATION

**USA - Federal regulations**

**TSCA - Toxic Substances Control Act**

All the components are listed on the TSCA inventory

**TSCA listed substances:**

| | | |
|---|---|---|
| methyl alcohol; Methanol | is listed in TSCA | Section 8b |
| zinc oxide; oxozinc | is listed in TSCA | Section 8b |
| titanium dioxide; Dioxotitanium | is listed in TSCA | Section 8b |
| silica sand; quartz | is listed in TSCA | Section 8b |

**SARA - Superfund Amendments and Reauthorization Act**

**Section 302 - Extremely Hazardous Substances:**

No substances listed

**Section 304 - Hazardous substances:**

methyl alcohol; Methanol

**Section 313 - Toxic chemical list:**

methyl alcohol; Methanol

zinc oxide; oxozinc

**CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act**

**Substance(s) listed under CERCLA:**

| | | | |
|---|---|---|---|
| methyl alcohol; Methanol | Reportable quantity: | 5000 | pounds |

**CAA - Clean Air Act**

**CAA listed substances:**

| | | |
|---|---|---|
| methyl alcohol; Methanol | is listed in CAA | Section 112(b) - HAP Section 112(b) - HON |

**CWA - Clean Water Act**

**CWA listed substances:**

| | | |
|---|---|---|
| zinc oxide; oxozinc | is listed in CWA | Section 307 |

## USA - State specific regulations

**California Proposition 65**

**Substance(s) listed under California Proposition 65:**

| | |
|---|---|
| methyl alcohol; Methanol | Listed as reproductive toxicant |
| titanium dioxide; Dioxotitanium | Listed as carcinogen |
| silica sand; quartz | Listed as carcinogen |

**Massachusetts Right to know**

**Substance(s) listed under Massachusetts Right to know:**

methyl alcohol; Methanol

zinc oxide; oxozinc

titanium dioxide; Dioxotitanium

silica sand; quartz

**Pennsylvania Right to know**

**Substance(s) listed under Pennsylvania Right to know:**

methyl alcohol; Methanol

zinc oxide; oxozinc

titanium dioxide; Dioxotitanium

silica sand; quartz

**New Jersey Right to know**

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

methyl alcohol; Methanol

zinc oxide; oxozinc

titanium dioxide; Dioxotitanium

silica sand; quartz

## Canada - Federal regulations

**DSL - Domestic Substances List**

All the substances are listed in the DSL.

**NDSL - Non Domestic Substances List**

This product complies with NDSL inventory

**NPRI - National Pollutant Release Inventory**

**NPRI (National Pollutant Release Inventory) - List of substances listed.**

No substances listed

## 16. OTHER INFORMATION

Safety Data Sheet dated: 9/9/2024 - version 1

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

| Code | Description |
|---|---|
| H225 | Highly flammable liquid and vapour. |
| H301 | Toxic if swallowed. |
| H311 | Toxic in contact with skin. |
| H331 | Toxic if inhaled. |
| H350 | May cause cancer. |
| H351 | Suspected of causing cancer. |
| H370 | Causes damage to organs. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |

| Code | Hazard class and hazard category | Description |
|---|---|---|
| A.1/3/Dermal | Acute Tox. 3 | Acute toxicity (dermal), Category 3 |
| A.1/3/Inhal | Acute Tox. 3 | Acute toxicity (inhalation), Category 3 |
| A.1/3/Oral | Acute Tox. 3 | Acute toxicity (oral), Category 3 |
| A.6/1A | Carc. 1A | Carcinogenicity, Category 1A |
| A.6/2 | Carc. 2 | Carcinogenicity, Category 2 |
| A.8/1 | STOT SE 1 | Specific target organ toxicity following single exposure, Category 1 |
| A.9/1 | STOT RE 1 | Specific target organ toxicity following repeated exposure, Category 1 |
| B.6/2 | Flam. Liq. 2 | Flammable Liquids — Category 2 |
| US-HAE/A1 | Aquatic Acute 1 | Acute aquatic hazard, category 1 |
| US-HAE/C1 | Aquatic Chronic 1 | Chronic (long term) aquatic hazard, category 1 |

**Legend to abbreviations and acronyms used in the safety data sheet:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
IMDG: International Maritime Code for Dangerous Goods.
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).
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
CLP: Classification, Labeling, Packaging.
EINECS: European Inventory of Existing Commercial Chemical Substances.
INCI: International Nomenclature of Cosmetic Ingredients.
CAS: Chemical Abstracts Service (division of the American Chemical Society).
GefStoffVO: Ordinance on Hazardous Substances, Germany.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
DNEL: Derived No Effect Level.
PNEC: Predicted No Effect Concentration.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
WGK: German Water Hazard Class.

KSt: Explosion coefficient.