

SECTION 1: Identification

1.1. Product identifier

Product name : B-O-G Modified Urethane Coating

1.2. Recommended use and restrictions on use

Recommended uses and restrictions : Concrete sealer. For professional use only.

1.3. Supplier

Ameripolish Inc.
120 Commercial Ave
Lowell, AR 72745
T 479-725-0033

1.4. Emergency telephone number

Emergency number : VelocityEHS 800-255-3924

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CAN/US)

Skin corrosion/irritation Category 2 H315
Serious eye damage/eye irritation Category 2 H319

2.2. GHS Label elements, including precautionary statements

GHS CAN/US labeling

Hazard pictograms : 

Signal word : Danger

Hazard statements : H315 - Causes skin irritation
H319 - Causes serious eye irritation

Precautionary statements : P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS CA)

No data available

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SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % |
|------------|--------------------|---------------|
| Componet 1 | Trade | 6 – 7.5 |
| Componet 2 | Trade | 7.5 |
| Componet 3 | Trade | 3 – 3.5 |
| Componet 4 | Trade | 0.473 – 2.365 |
| Componet 5 | Trade | 0.2 |

SECTION 4: First-aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures after inhalation | : When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists. |
| First-aid measures after skin contact | : Immediately drench affected area with water for at least 15 minutes. Immediately remove contaminated clothing. Obtain medical attention if irritation develops or persists. |
| First-aid measures after eye contact | : Immediately rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists. |
| First-aid measures after ingestion | : Rinse mouth. Do NOT induce vomiting. Seek medical attention. |

4.2. Most important symptoms and effects (acute and delayed)

| | |
|-------------------------------------|--|
| Symptoms/effects after inhalation | : Prolonged exposure may cause irritation. |
| Symptoms/effects after skin contact | : Prolonged exposure may cause skin irritation. |
| Symptoms/effects after eye contact | : Contact causes severe irritation with redness and swelling of the conjunctiva. |
| Symptoms/effects after ingestion | : May be harmful if swallowed. |

4.3. Immediate medical attention and special treatment, if necessary

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

| | |
|------------------------------|--|
| Suitable extinguishing media | : Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO ₂). Water may be ineffective but water should be used to keep fire-exposed container cool. |
|------------------------------|--|

5.2. Unsuitable extinguishing media

| | |
|--------------------------------|--|
| Unsuitable extinguishing media | : Do not use a heavy water stream. A heavy water stream may spread burning liquid. |
|--------------------------------|--|

5.3. Specific hazards arising from the hazardous product

| | |
|------------------|---------------|
| Fire hazard | : None |
| Explosion hazard | : None known. |

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5.4. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Firefighters should wear full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray).

6.2. Methods and materials for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.

Methods for cleaning up : Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill. Absorb and/or contain spill with inert material. Do not take up in combustible material such as: saw dust or cellulosic material.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin, eyes and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid breathing vapors, mist, spray.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store in a well-ventilated place. Keep container tightly closed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Componet 4 | |
|---|------------------------|
| Canada (Alberta) - Occupational Exposure Limits | |
| OEL TWA | 4.1 mg/m ³ |
| OEL TWA [ppm] | 1 ppm |
| OEL STEL | 12 mg/m ³ |
| OEL STEL [ppm] | 3 ppm |
| Canada (Quebec) - Occupational Exposure Limits | |
| VECD (OEL STEL) | 61.5 mg/m ³ |
| VECD (OEL STEL) [ppm] | 15 ppm |
| VEMP (OEL TWA) | 20.5 mg/m ³ |
| VEMP (OEL TWA) [ppm] | 5 ppm |

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| Componet 4 | |
|--|-----------------------|
| Canada (British Columbia) - Occupational Exposure Limits | |
| OEL TWA [ppm] | 1 ppm |
| OEL STEL [ppm] | 3 ppm |
| Canada (Manitoba) - Occupational Exposure Limits | |
| OEL TWA [ppm] | 0.5 ppm |
| OEL STEL [ppm] | 1 ppm |
| Canada (New Brunswick) - Occupational Exposure Limits | |
| OEL TWA | 4.1 mg/m ³ |
| OEL TWA [ppm] | 1 ppm |
| OEL STEL | 12 mg/m ³ |
| OEL STEL [ppm] | 3 ppm |
| Canada (Newfoundland and Labrador) - Occupational Exposure Limits | |
| OEL TWA [ppm] | 0.5 ppm |
| OEL STEL [ppm] | 1 ppm |
| Canada (Nova Scotia) - Occupational Exposure Limits | |
| OEL TWA [ppm] | 0.5 ppm |
| OEL STEL [ppm] | 1 ppm |
| Canada (Nunavut) - Occupational Exposure Limits | |
| OEL TWA [ppm] | 1 ppm |
| OEL STEL [ppm] | 3 ppm |
| Canada (Northwest Territories) - Occupational Exposure Limits | |
| OEL TWA [ppm] | 1 ppm |
| OEL STEL [ppm] | 3 ppm |
| Canada (Ontario) - Occupational Exposure Limits | |
| OEL TWA [ppm] | 0.5 ppm |
| OEL STEL [ppm] | 1 ppm |
| Canada (Prince Edward Island) - Occupational Exposure Limits | |
| OEL TWA [ppm] | 0.5 ppm |
| OEL STEL [ppm] | 1 ppm |
| Canada (Saskatchewan) - Occupational Exposure Limits | |
| OEL TWA [ppm] | 1 ppm |
| OEL STEL [ppm] | 3 ppm |
| Canada (Yukon) - Occupational Exposure Limits | |
| OEL TWA | 100 mg/m ³ |
| OEL TWA [ppm] | 25 ppm |
| OEL STEL | 150 mg/m ³ |
| OEL STEL [ppm] | 40 ppm |

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| Componet 4 | |
|--|---|
| USA - ACGIH - Occupational Exposure Limits | |
| ACGIH OEL TWA [ppm] | 0.5 ppm |
| ACGIH OEL STEL [ppm] | 1 ppm |
| ACGIH chemical category | Skin - potential significant contribution to overall exposure by the cutaneous route, Not Classifiable as a Human Carcinogen |
| USA - OSHA - Occupational Exposure Limits | |
| OSHA PEL (TWA) [1] | 100 mg/m ³ |
| OSHA PEL (TWA) [2] | 25 ppm |
| Componet 3 | |
| Canada (Yukon) - Occupational Exposure Limits | |
| OEL TWA | 300 particle/mL (as measured by Konimeter instrumentation) 20 mppcf (as measured by Impinger instrumentation) 2 mg/m ³ (respirable mass) |
| Componet 2 | |
| Canada (Alberta) - Occupational Exposure Limits | |
| OEL TWA | 97 mg/m ³ |
| OEL TWA [ppm] | 20 ppm |
| Canada (Quebec) - Occupational Exposure Limits | |
| VEMP (OEL TWA) | 97 mg/m ³ |
| VEMP (OEL TWA) [ppm] | 20 ppm |
| Canada (British Columbia) - Occupational Exposure Limits | |
| OEL TWA [ppm] | 20 ppm |
| Canada (Manitoba) - Occupational Exposure Limits | |
| OEL TWA [ppm] | 20 ppm |
| Canada (New Brunswick) - Occupational Exposure Limits | |
| OEL TWA | 121 mg/m ³ |
| OEL TWA [ppm] | 25 ppm |
| Canada (Newfoundland and Labrador) - Occupational Exposure Limits | |
| OEL TWA [ppm] | 20 ppm |
| Canada (Nova Scotia) - Occupational Exposure Limits | |
| OEL TWA [ppm] | 20 ppm |
| Canada (Nunavut) - Occupational Exposure Limits | |
| OEL TWA [ppm] | 20 ppm |
| OEL STEL [ppm] | 30 ppm |
| Canada (Northwest Territories) - Occupational Exposure Limits | |
| OEL TWA [ppm] | 20 ppm |
| OEL STEL [ppm] | 30 ppm |

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| Componet 2 | |
|---|---|
| Canada (Ontario) - Occupational Exposure Limits | |
| OEL TWA [ppm] | 20 ppm |
| Canada (Prince Edward Island) - Occupational Exposure Limits | |
| OEL TWA [ppm] | 20 ppm |
| Canada (Saskatchewan) - Occupational Exposure Limits | |
| OEL TWA [ppm] | 20 ppm |
| OEL STEL [ppm] | 30 ppm |
| Canada (Yukon) - Occupational Exposure Limits | |
| OEL TWA | 240 mg/m ³ |
| OEL TWA [ppm] | 50 ppm |
| OEL STEL | 720 mg/m ³ |
| OEL STEL [ppm] | 150 ppm |
| USA - ACGIH - Occupational Exposure Limits | |
| ACGIH OEL TWA [ppm] | 20 ppm |
| ACGIH chemical category | Confirmed Animal Carcinogen with Unknown Relevance to Humans |
| USA - ACGIH - Biological Exposure Indices | |
| BEI (BLV) | 200 mg/g Kreatinin Parameter: Butoxyacetic acid with hydrolysis - Medium: urine - Sampling time: end of shift |
| USA - OSHA - Occupational Exposure Limits | |
| OSHA PEL (TWA) [1] | 240 mg/m ³ |
| OSHA PEL (TWA) [2] | 50 ppm |
| Limit value category (OSHA) | prevent or reduce skin absorption |

8.2. Appropriate engineering controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation.

8.3. Individual protection measures/Personal protective equipment

| |
|---|
| Hand protection: |
| Use impervious gloves such as neoprene, nitrile, or rubber for hand protection. |

| |
|------------------------------------|
| Eye protection: |
| Chemical goggles or safety glasses |

| |
|----------------------------------|
| Skin and body protection: |
| Wear suitable working clothes |

| |
|---|
| Respiratory protection: |
| If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection. |

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---------------------|
| Physical state | : Liquid |
| Appearance | : Translucent |
| Odor | : Semi sweet |
| Odor threshold | : No data available |
| pH | : No data available |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Relative evaporation rate (ether=1) | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapor pressure | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Relative density | : No data available |
| Solubility | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic | : No data available |
| Explosion limits | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

| | |
|------------------------------------|--|
| Reactivity | : Reacts violently with strong oxidizers. Increased risk of fire or explosion. |
| Chemical stability | : The product is stable at normal handling and storage conditions. |
| Possibility of hazardous reactions | : Will not occur. |
| Conditions to avoid | : None. |
| Incompatible materials | : Not determined. |
| Hazardous decomposition products | : Not determined. |

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------|------------------|
| Acute toxicity (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

| Componet 4 | |
|-----------------------------|-------------|
| LD50 oral rat | 460 mg/kg |
| LD50 dermal rabbit | 415 mg/kg |
| LC50 Inhalation - Rat [ppm] | 1250 ppm/4h |

| Componet 1 | |
|---------------|------------|
| LD50 oral rat | > 90 ml/kg |

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| Componet 3 | |
|-----------------------|---------------------------------|
| LD50 oral rat | 7900 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |
| LC50 Inhalation - Rat | > 2.2 mg/l (Exposure time: 1 h) |

| Componet 2 | |
|-----------------------------|------------|
| LD50 oral rat | 470 mg/kg |
| LD50 dermal rabbit | 99 mg/kg |
| LC50 Inhalation - Rat [ppm] | 486 ppm/4h |

| | |
|-----------------------------------|----------------------------------|
| Skin corrosion/irritation | : Causes skin irritation. |
| Serious eye damage/irritation | : Causes serious eye irritation. |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |

| Componet 2 | |
|----------------------|-----------------------------------|
| STOT-single exposure | May cause respiratory irritation. |

STOT-repeated exposure : Not classified

| Componet 2 | |
|------------------------|---|
| STOT-repeated exposure | Causes damage to organs through prolonged or repeated exposure. |

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

| Componet 4 | |
|---|---|
| LC50 - Fish [1] | 43.7 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| EC50 - Crustacea [1] | 200 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| BCF - Fish [1] | < 4.9 |
| Partition coefficient n-octanol/water (Log Pow) | 1.45 |

| Componet 3 | |
|----------------------|---|
| LC50 - Fish [1] | 5000 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static]) |
| EC50 - Crustacea [1] | 7600 mg/l (Exposure time: 48 h - Species: Ceriodaphnia dubia) |
| EC50 72h - Algae [1] | 440 mg/l (Species: Pseudokirchneriella subcapitata) |
| BCF - Fish [1] | (no bioaccumulation expected) |

| Componet 2 | |
|-----------------|---|
| LC50 - Fish [1] | 1490 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |

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Componet 2

| | |
|---|--|
| LC50 - Fish [2] | 2950 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus) |
| EC50 - Crustacea [1] | > 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| Partition coefficient n-octanol/water (Log Pow) | 0.81 (at 25 °C) |

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Componet 4

| | |
|---|-------|
| BCF - Fish [1] | < 4.9 |
| Partition coefficient n-octanol/water (Log Pow) | 1.45 |

Componet 3

| | |
|----------------|-------------------------------|
| BCF - Fish [1] | (no bioaccumulation expected) |
|----------------|-------------------------------|

Componet 2

| | |
|---|-----------------|
| Partition coefficient n-octanol/water (Log Pow) | 0.81 (at 25 °C) |
|---|-----------------|

12.4. Mobility in soil

Componet 4

| | |
|---|------|
| Partition coefficient n-octanol/water (Log Pow) | 1.45 |
|---|------|

Componet 2

| | |
|---|-----------------|
| Partition coefficient n-octanol/water (Log Pow) | 0.81 (at 25 °C) |
|---|-----------------|

12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

In accordance with TDG / DOT / IMDG / IATA

14.1. UN number

UN-No. (TDG) : Not regulated
DOT NA No : Not regulated
UN-No. (IMDG) : Not regulated
UN-No. (IATA) : Not regulated

14.2. UN proper shipping name

Proper Shipping Name (TDG) : Not regulated
Proper Shipping Name (DOT) : Not regulated

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Proper Shipping Name (IMDG) : Not regulated
Proper Shipping Name (IATA) : Not regulated

14.3. Transport hazard class(es)

Not regulated

14.4. Packing group

Not regulated

14.5. Environmental hazards

Marine pollutant : No
Other information : No supplementary information available.

14.6. Special precautions for user

Not applicable

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

Not applicable

SECTION 15: Regulatory information

15.1. Canada National regulations

Componet 4

Listed on the Canadian DSL (Domestic Substances List)

Componet 1

Listed on the Canadian DSL (Domestic Substances List)

Componet 3

Listed on the Canadian DSL (Domestic Substances List)

Componet 2

Listed on the Canadian DSL (Domestic Substances List)

Componet 5

Listed on the Canadian DSL (Domestic Substances List)

15.2. US Federal regulations

Componet 4

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Componet 1

Listed on the United States TSCA (Toxic Substances Control Act) inventory

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Componet 3

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Componet 2

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Toxic Substance (CEPA – Schedule I)

Yes

Componet 5

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.3. US State regulations

Componet 4

U.S. - Massachusetts - Right To Know List
U.S. - Minnesota - Hazardous Substance List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

Componet 3

U.S. - Massachusetts - Right To Know List
U.S. - Minnesota - Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

Componet 2

U.S. - Massachusetts - Right To Know List
U.S. - Minnesota - Hazardous Substance List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.