B-O-G Modified Urethane Coating
Safety Data Sheet

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 : Velocity EHS 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

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Component 1	Trade Secret	Trade Secret
Component 2	Trade Secret	Trade Secret
Component 3	Trade Secret	Trade Secret
Component 4	Trade Secret	Trade Secret
Component 5	Trade Secret	Trade Secret

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 (CO2). 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.

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

Component 4	
Canada (Alberta) - Occupational Exposure Limits	
OEL TWA	4.1 mg/m³
OEL TWA [ppm]	1 ppm
OEL STEL	12 mg/m³
OEL STEL [ppm]	3 ppm
Canada (Quebec) - Occupational Exposure Limits	
VECD (OEL STEL)	61.5 mg/m³
VECD (OEL STEL) [ppm]	15 ppm
VEMP (OEL TWA)	20.5 mg/m³
VEMP (OEL TWA) [ppm]	5 ppm

Component 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/m³
OEL TWA [ppm]	1 ppm
OEL STEL	12 mg/m³
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/m³
OEL TWA [ppm]	25 ppm
OEL STEL	150 mg/m³
OEL STEL [ppm]	40 ppm

Component 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/m³
OSHA PEL (TWA) [2]	25 ppm

Component 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/m³ (respirable mass)

Component 2	
Canada (Alberta) - Occupational Exposure Limits	
OEL TWA	97 mg/m³
OEL TWA [ppm]	20 ppm
Canada (Quebec) - Occupational Exposure Limits	
VEMP (OEL TWA)	97 mg/m³
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/m³
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

Component 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/m³
OEL TWA [ppm]	50 ppm
OEL STEL	720 mg/m³
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/m³
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.

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

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

Component 1	
LD50 oral rat	> 90 ml/kg

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

Component 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

Component 2	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified

Component 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

Component 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

Component 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)

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

Component 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

Component 4	
BCF - Fish [1]	< 4.9
Partition coefficient n-octanol/water (Log Pow)	1.45

Component 3	
BCF - Fish [1]	(no bioaccumulation expected)

Component 2	
Partition coefficient n-octanol/water (Log Pow)	0.81 (at 25 °C)

12.4. Mobility in soil

Component 4	
Partition coefficient n-octanol/water (Log Pow)	1.45

Component 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

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

Component 4

Listed on the Canadian DSL (Domestic Substances List)

Component 1

Listed on the Canadian DSL (Domestic Substances List)

Component 3

Listed on the Canadian DSL (Domestic Substances List)

Component 2

Listed on the Canadian DSL (Domestic Substances List)

Component 5

Listed on the Canadian DSL (Domestic Substances List)

15.2. US Federal regulations

Component 4

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

Component 1

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

Component 3
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Component 2	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Toxic Substance (CEPA – Schedule I)	Yes

Component 5
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.3. US State regulations

Component 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

Component 3
U.S. - Massachusetts - Right To Know List U.S. - Minnesota - Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

Component 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.

Document Number: SD2101.1