

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 mi	ixture
Classification (GHS CAN/US) Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2	H315 H319
2.2. GHS Label elements, including preca	autionary 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

Safety Data Sheet

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 Symptoms/effects after skin contact Symptoms/effects after eve contact	 Prolonged exposure may cause irritation. Prolonged exposure may cause skin irritation. 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 Explosion hazard	: None : None known.	

SECTION 6: Accidental release measures

Safety Data Sheet

5.4. Special protective equipment and precautions for fire-fighters			
Protection during firefighting	Firefighters should wear full protective gear.		

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 stor	age	
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/m ³
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	e 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) - Occupation	nal Exposure Limits	
OEL TWA [ppm]	0.5 ppm	
OEL STEL [ppm]	1 ppm	
Canada (Nova Scotia) - Occupational Exposure Lim	its	
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 Expo	osure 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 Expo	osure 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 ррм	
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	e 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	

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Limit value category (OSHA) prevent or reduce skin absorption Ppropriate engineering controls : Provide adequate general and local exhaust ventilation. .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:	OSHA PEL (TWA) [1]	240 mg/m³	
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Eye protection: Chemical goggles or safety glasses Skin and body protection: Wear suitable working clothes Respiratory protection:	Hand protection:		
Chemical goggles or safety glasses Skin and body protection: Wear suitable working clothes Respiratory protection:	Use impervious gloves such as neoprene, nitrile, or rul	bber for hand protection.	
Skin and body protection: Wear suitable working clothes Respiratory protection:	Eye protection:		
Wear suitable working clothes Respiratory protection:	Chemical goggles or safety glasses		
Respiratory protection:	Skin and body protection:		
	Wear suitable working clothes		
f airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.	Respiratory protection:		
	If airborne concentrations are above the applicable exp	posure limits, use NIOSH approved respiratory protection.	

Safety Data Sheet

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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

SECTION 11: Toxicological information	
11.1. Information on toxicological effects	
Acute toxicity (dermal) :	Not classified Not classified 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

Safety Data Sheet

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

Safety Data Sheet

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 42: Dispassi sanaidarationa	sector and the sector	
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) DOT NA No UN-No. (IMDG) UN-No. (IATA)	 Not regulated Not regulated Not regulated Not regulated 		
14.2. UN proper shipping name			
Proper Shipping Name (TDG) Proper Shipping Name (DOT)	: Not regulated : 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 Other information	: No : 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 Substan	ices List)
Component 1	
Listed on the Canadian DSL (Domestic Substan	ices List)
0	
Component 3 Listed on the Canadian DSL (Domestic Substan	
Listed on the Ganadian DOL (Domestic Substan	
Component 2	
Listed on the Canadian DSL (Domestic Substan	ices List)
Component 5	
Listed on the Canadian DSL (Domestic Substan	ices List)
15.2. US Federal regulations	
Component 4	
Listed on the United States TSCA (Toxic Substa	ances Control Act) inventory
Component 1	
Listed on the United States TSCA (Toxic Substa	ances Control Act) inventory

Safety Data Sheet

Component 3		
Listed on the United States TSCA (Toxic Substance	es Control Act) inventory	
Component 2		
Listed on the United States TSCA (Toxic Substance	es Control Act) inventory	
Toxic Substance (CEPA – Schedule I)	Yes	
Component 5		
Listed on the United States TSCA (Toxic Substance	es 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.

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