

SAFETY DATA SHEET

HydroBlok MVB 1100 Primer Moisture Vapor Barrier

Part 1: Product and Company Identification

Date Prepared: December 6, 2021
Product Name: HydroBlok MVB Primer 1100
Description/Use: Two component epoxy coating to be applied over concrete slabs
Chemical Classification: Modified epoxy with additives
Manufacturer: AYP Nano Solutions Inc.
505 S. Villareal Drive Suite 206
Anaheim, CA 92807 USA
Emergency Contact: Chemtrec 1-800-424-9300

Part 2: Hazards



H226	Flammable liquid and vapor.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H317	May cause allergic skin reaction.
H351	Suspected of causing cancer.
H411	Toxic to aquatic life with long lasting effects.

Part 3: Composition on Ingredients

<u>Ingredient</u>	<u>CAS</u>	<u>Per Cent</u>
Modified Bisphenol A epoxy	Closed	Closed
Proprietary trade secret	Closed	Closed
Titanium dioxide	13463-67-7	1 - 2%
Acetone	67-64-1	20 - 30%

Part 4: Routes of Exposure & First Aid

Eye Contact: Immediately flush eyes with plenty of water. Remove contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.

Skin Contact: Wash with plenty of soap and water. Continue to rinse for at least 20 minutes. Get medical attention.

Inhalation: Remove victim to fresh air and keep at rest in a comfortable position. If not breathing, or if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.

Ingestion: Wash out mouth with water. Remove victim to fresh air and keep in a comfortable rest position. If the victim is conscious, give small amounts of water to drink. Stop if the victim feels sick as vomiting may be dangerous. If vomiting occurs, head should be kept low so that the vomit does not enter the lungs. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.

Part 5: Health Effects

Acute Health Effects:

Eye Contact:	Causes serious eye irritation.
Inhalation:	No known significant effects or critical hazards.
Skin Contact:	Causes skin irritation.
Ingestion:	No known significant effects or critical hazards.

Chronic Health Effects:

Eye Contact:	Adverse symptoms may include pain or irritation, watering and redness.
Inhalation:	No known significant effects or critical hazards.
Skin Contact:	Adverse symptoms may include irritation and redness.
Ingestion:	No known significant effects or critical hazards.

Part 6: Fire Fighting Measures

Flammability:	Flammable liquid Class 1B
Flash Point:	4°F
Upper Explosive Limit:	27%
Lower Explosive Limit:	3%
Suitable Extinguishing Media:	CO ₂ , foam, dry chemical and water.
Fire Fighting Measures:	Cool containers with water to prevent pressure build-up. Wear full protective equipment and NIOSH full-contained breathing apparatus.
Specific Hazards:	Toxic to aquatic life. Fire water must be contained and prevented from discharge into waterways, sewers or drains.

Part 7: Accidental Release Measures

Spill & Leak Measures:	Stop leak if without risk. Move containers from spill area. Contain and collect spillage with non-combustible absorbent material (sand, earth, vermiculite, diatomaceous earth) and place in container for disposal in accordance with regulations, both Federal and local.
Specific Hazards:	Toxic to aquatic life. Spill must be contained and prevented from discharge into waterways, sewers or drains.

Part 8: Handling and Storage

Storage:	Store in accordance with local regulations. Store in original containers protected from direct sunlight in a dry, cool and well-ventilated area. Keep container tightly closed. Containers that have been opened must be carefully resealed and kept upright.
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Part 9: Personal Protection

Exposure Limits:	Modified Bisphenol A epoxy, none. Titanium dioxide: ACGIH TLV TWA 10 mg/m ³ 8 hrs. Acetone: TWA PEL 8 hr, 750 ppm.
Appropriate Engineering Controls:	If operations generate dust, fumes, gas or vapor, use enclosures or exhaust ventilation.
local	
Individual Protective Measures:	
• Hygiene Measures before	Wash hands and forearms after use. Wash contaminated clothing reuse.
• Eye/face Protection	Wear protective eyewear for splashes of product.
• Hand Protection	Wear chemical resistant gloves.
• Body Protection	Wear appropriate protective clothing based upon the tasks to be performed.
• Feet Protection	Wear non-slip and chemical resistant footwear.
• Respiratory Protection	Based upon the circumstances and need, select a respirator that meets the appropriate standards.

Part 10: Physical and Chemical Properties

- Physical State: Viscous liquid
- Color: Light grey when mixed
- Odor: Mild, epoxy
- VOC: None
- Density: 1.2
- Boiling Point: 133°F - 350°F

Part 11: Stability and Reactivity

- Reactivity and Chemical Stability: Stable under normal conditions
- Conditions to Avoid: No specific data.
- Hazardous Decomposition: None under normal storage and use. When there is a fire, decomposition products may include carbon dioxide, carbon monoxide, halogenated compounds, metal oxides.
- Incompatible Materials: Oxidizing materials.

Part 12: Toxicological Information

- Specific Organ Toxicity: For repeated exposure. No data available.
- Aspiration Hazard: No data available.
- Potential Acute Health Effects:
- Eye Contact: Causes serious eye irritation.
 - Inhalation: No known significant hazards.
 - Skin Contact: Cause skin irritation.
 - Ingestion: No known significant hazards.
- Symptoms:
- Eye Contact: Pain, irritation, watering, redness.
 - Inhalation: No known significant hazards.
 - Skin Contact: Irritation, redness.
 - Ingestion: No known significant hazards.
- Chronic Effects:
- Short Term Exposure: No known significant hazards.
 - Long Term Exposure: No known significant hazards.
 - Chronic Effects: Carcinogenicity: Suspected of causing cancer.
Mutagenicity: No known significant hazards.
Teratogenicity: No known significant hazards.
Developmental effects: No known significant hazards.
Fertility effects: No known significant hazards.

Part 13: Ecological Information

- Toxicity: Acetone: LD50 Dermal >9400 uL/kg (guinea pig); LD50 Oral 5800 mg/kg (rat).
Titanium dioxide, Acute LC50 >1,000,000 ug/L, marine water, 96 hrs.
- Persistence and Degradability: No data available.
- Mobility in Soil: No data available.

Part 14: Disposal Considerations

- Disposal Method: Dispose in accordance with Federal, State and Local regulations.

Part 15: Transportation Information

- DOT: Paint related material 3.
- Hazard Class: Class 3, PG II, limited quantity.
- UN Number: UN 1263.

Part 16: Regulatory Information

U.S. Federal:	All components are listed or exempted on TSCA 8b.	
SARA 311/312:	SKIN CORROSION/IRRITATION	Category 2
	SERIOUS EYE DAMAGE/IRRITATION	Category 2A
	SKIN SENSITIZATION	Category 1
	CARCINOGENICITY	Category 2
USA Hazardous Materials Info:	HEALTH	2
	FLAMMABILITY	1B
	PHYSICAL HAZARDS	0

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