

SAFETY DATA SHEET
AYP NANO SOLUTIONS INC.

DecoFlake 1100 Base Coat

Part 1: Product and Company Identification

Date Prepared: November 3, 2021
Product Name: DecoFlake 1100 Base Coat
Description/Use: Two component coating to be applied to slippery surfaces
Chemical Classification: Modified epoxy
Manufacturer: AYP Nano Solutions Inc.
505 S. Villareal Drive Suite 206
Anaheim, CA 92807 USA
Chemtrec 1-800-424-9300

Emergency Contact:

Part 2: Hazards



H225 Highly 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> |
|--------------------------|------------|-----------------|
| Bisphenol A epoxy | 25068-38-6 | 25 - 35% |
| Styrenated phenol | 61788-44-1 | 20 - 30% |
| Acetone | 76-64-1 | 15 - 20% |
| Titanium dioxide | 13463-67-7 | 2 - 3% |
| Ethylenediamine | 90-72-2 | 2 - 3% |
| Proprietary trade secret | - | 10 - 20% |

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, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical 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:

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| 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:

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| 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

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| Suitable Extinguishing Media: | Use an extinguishing agent suitable for the surrounding fire: water spray, alcohol resistant foam, dry chemicals, carbon dioxide. No known unsuitable extinguishing media. |
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| Specific Hazards: | Combustion will generate oxides of carbon. Creates toxic gases of carbon monoxide and carbon dioxide. Toxic to aquatic life. Fire water must be contained and prevented from discharge into waterways, sewers or drains. |
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Part 7: Accidental Release Measures

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| Spill & Leak Measures: | Eliminate all sources of ignition. 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. |
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| Specific Hazards: | Toxic to aquatic life. Spill must be contained and prevented from discharge into waterways, sewers or drains. |
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Part 8: Handling and Storage

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| Storage: | Store in accordance with local regulations. Store in original containers protected from direct sunlight in a dry, cool and well-ventilated area away from sources of ignition or heat.. Keep container tightly closed. Containers that have been opened must be carefully resealed and kept upright. Prevent accumulation of static electricity. |
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Part 9: Personal Protection

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| Exposure Limits: | Bisphenol A epoxy, none; styrenated phenol, none. Titanium dioxide: ACGIH TLV TWA 10 mg/m ³ 8 hrs. Ethylenediamine: ACGIH TLV TWA 10 ppm 8 hrs; NIOSH REL TWA 10 ppm 10 hrs; OSHA PEL TWA 10 ppm 8 hrs. Acetone: ACGIH TLV TWA 250 ppm. |
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| Appropriate Engineering Controls: | If operations generate dust, fumes, gas or vapor, use enclosures or local exhaust ventilation. |
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Individual Protective Measures:

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| <ul style="list-style-type: none">Hygiene MeasuresEye/face Protection | Wash hands and forearms after use. Wash contaminated clothing before reuse. Wear protective eyewear for splashes of product. |
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- 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
- Flash Point: -18°C (closed cup)
- Auto Ignition Temperature: N/A
- Density: 1.3

Part 11: Stability and Reactivity

- Reactivity and Chemical Stability: Reacts with oxidizing agents.
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: Titanium dioxide, Acute LC50 > 1,000,000 ug/L, marine water, 96 hrs.
Acetone, Acute LD50, 9,570 mg/kg.
Persistence and Degradability: No data available.
Mobility in Soil: No data available.
Other Adverse Effects: No known significant hazards.

Part 14: Disposal Considerations

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

Part 15: Transportation Information

DOT: UN 1090, Hazard Class 3, Packing Group II
IMDG: UN 1090, Hazard Class 3, Packing Group II
IATA: UN 1090, Hazard Class 3, Packing Group II

Part 16: Regulatory Information

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| 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 | Category 2 |
| | FLAMMABILITY | Category 2 |

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