

SECTION 1 IDENTIFICATION

Product Name: AMP-UP™ 100 Low VOC Self-Healing Primer Gray

Product Use: Waterborne Epoxy Primer

Restriction on Use: None identified

Manufacturer: Autonomic Materials, Inc.
3611 North Staley Rd Suite 5
Champaign, IL 61822

Telephone: +1 (217) 863-2023

Emergency Phone Number: +1 (800) 255-3924 (ChemTel)

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification:

| Health | Environmental | Physical |
|----------------------------|---------------|---------------|
| Skin Sensitizer Category 1 | Not Hazardous | Not Hazardous |

Label Elements



WARNING!

H317 May cause an allergic skin reaction.

Prevention:

P261 Avoid breathing mist, vapors, or spray.

P272 Contaminated work clothing must not be allowed out of the workplace.

P273 Avoid releases to the environment.

P280 Wear protective gloves.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P333 + P313 If skin irritation or rash occurs: Get medical advice.

P363 Wash contaminated clothing before reuse.

Disposal:

P501 Dispose of contents and container in accordance with all local and national regulations.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

| <u>COMPONENT</u> | <u>CAS#</u> | <u>WT.%</u> |
|--|-------------|-------------|
| Non-Hazardous Ingredients | Mixture | 90-100% |
| Titanium Dioxide | 13463-67-7 | <8% |
| Epoxy Resin | 25068-38-6 | <1% |
| 2,4,7,9-Tetramethyldec-5-yne-4,7-diol, ethoxylated | 9014-85-1 | <1% |

The specific composition and percentage are trade secrets

SECTION 4 FIRST AID MEASURES

Eye Contact: If contact occurs, flush eyes thoroughly, holding the eye lids open to be sure the material is washed out. Get medical attention if irritation persists.

Skin: Wash thoroughly with soap and water. Remove contaminated clothing and launder before reuse. If skin irritation or other symptoms develop, seek medical attention.

Inhalation: If symptoms develop move to fresh air. Get medical attention if irritation or other symptoms persist.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. If the person is alert, have them rinse their mouth with water. Seek medical attention if symptoms occur and persist.

Most Important Symptoms: May cause slight eye irritation with tearing and redness. Cause allergic skin reaction with itching and hives.

Indication of Immediate Medical Attention and Special Treatment, if Needed: Immediate medical attention should not be required for routine exposures.

SECTION 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use material appropriate for surrounding fire.

Specific Hazards Arising from the Chemical: Product is not expected to be flammable.

Special Protective Equipment and Precautions for Fire-Fighters: Firefighters should wear full emergency equipment and an approved positive pressure self-contained breathing apparatus. Cool fire-exposed containers with water.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment And Emergency Procedures: Wear appropriate protective clothing (See Section 8).

Methods And Materials For Containment/Cleanup: Contain and collect with an inert absorbent material. Place in suitable containers for disposal. Clean spill area thoroughly. Avoid releases to the environment. Report releases as required by local authorities.

SECTION 7 HANDLING and STORAGE

Precautions for Safe Handling: Avoid contact with eyes, skin and clothing, Avoid breathing vapors or mists. Use with adequate ventilation. Wash hands with soap and water after use. Eating, drinking and smoking should not be permitted in use area.

Conditions for Safe Storage, including any incompatibilities: Keep containers closed. Avoid any releases to the environment.

SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION**Exposure Guidelines:**

| INGREDIENTS | EXPOSURE LIMITS |
|------------------|--------------------------------|
| Titanium dioxide | 10 mg/m ³ TWA ACGIH |

Appropriate Engineering Controls: Use adequate general or local exhaust ventilation to minimize exposure levels.

Personal Protective Equipment:

Respiratory Protection: None needed with adequate ventilation. If exposures are excessive and irritation is experienced, an approved respirator should be worn. The selection and use of respiration should be in accordance with applicable regulations and good industrial hygiene practice.

Gloves: Impervious gloves required if skin contact is possible.

Protective Clothing: Wear protective clothing as required to minimize skin contact.

Eye Protection: Chemical safety goggles recommended.

Other Protective Equipment: An eye wash and safety shower should be available in the work area.

SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

| | |
|---|---|
| Form: Liquid | Appearance: Liquid |
| Odor: Slight to None | Coefficient of Water/Oil: Not established |
| Odor Threshold: Not established | pH: Not established |
| Boiling Point/Range (@ 760 mmHg): Not established | Melting/Freezing Point: Not established |
| Relative Density (H₂O=1): Not established | Vapor Pressure: Not established |
| VOC: 47 g/L | Vapor Density (AIR=1): Not established |
| Evaporation Rate: Not established | Solubility in Water: Insoluble |
| Flash Point: Not flammable | Flammable Limits (vol % in air): Not established |
| Autoignition Temperature: Not determined | Decomposition Temperature: Not established |

SECTION 10 STABILITY and REACTIVITY

Reactivity: Non-reactive under normal conditions.
Chemical Stability: Stable.
Possibility of Hazardous Reactions: Reaction with strong oxidizers or curing agents will generate heat.
Conditions to Avoid: None known.
Incompatible Materials: Avoid oxidizing agents, strong acids and strong bases.
Hazardous Decomposition Products: Thermal decomposition will release oxides of carbon and nitrogen and hydrocarbons.

SECTION 11 TOXICOLOGICAL INFORMATION**Health Hazards:**

Eye: May cause slight eye irritation with redness, tearing and stinging.
Skin: May cause slight irritation. May cause allergic skin reaction with itching and hives.
Inhalation: Inhalation of vapors or mists may cause slight upper respiratory tract irritation.
Ingestion: Not expected to be acutely toxic.
Chronic Exposure: No effects known.
Carcinogenicity: None of the components present at 0.1% or greater is listed as a carcinogen or suspected carcinogen by IARC, ACGIH, NTP or OSHA.
Reproductive Toxicity: No specific data are available. No adverse effects are expected.
Germ Cell Mutagenicity: No specific data are available. No adverse effects are expected.
Numerical Measures of Toxicity:
Titanium Dioxide: Oral rat LD₅₀ >5,000 mg/kg; Dermal rabbit LD₅₀ >10,000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Classified as harmful to the aquatic environment with long-lasting effects. Avoid environmental releases.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose in accordance with all local, state and federal regulations.

SECTION 14: TRANSPORT INFORMATION

DOT Shipping Name: Not Regulated
DOT Hazard Classification: Not applicable
DOT Labels Required (49CFR172.101): Not applicable
UN Number: Not applicable

SECTION 15: REGULATORY INFORMATION

EPA SARA 311 Hazard Classification: Refer to Section 2 for OSHA Hazard Classification.

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313: None

CERCLA Hazardous Substances (Section 103)/RQ: This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

Toxic Substances Control Act: All of the components of this product are listed on the TSCA inventory.

California Proposition 65: This product contains titanium dioxide which is known to the State of California to cause cancer and/or reproductive harm.

Canadian CEPA: All of the components are listed on the Canadian DSL

SECTION 16: OTHER INFORMATION

SDS Date of Preparation/Revision:

11/04/2020 (Preparation)

09/20/2021 (Hazard reclassification)

NFPA Rating: Health: 1 Fire: 0 Instability: 0