

MATERIAL SAFETY DATA SHEET

Section I – Product and Company Information

Product Name **MIGHTY PATCH TITANIUM**
CAS Number **Mixture**
HMIS Hazard Ratings
Health: 1 Fire: 0 Reactivity: 0 PPE: B

Sold By: Continental Research Corp
PO Box 15204
St. Louis, MO. 63110

Telephone 800-325-4869

Prepared By: Tec Service

Section II – Ingredient and Hazard Information

<i>Hazardous Ingredients</i>	<i>CAS Number</i>	<i>%</i>	<i>TSCA</i>	<i>Health</i>	<i>Fire</i>	<i>React.</i>	<i>PPE</i>
Diglycidyl Ethers of Bisphenol A Resins	25068-38-6	10-15	Y	2	1	0	B
Aliphatic Amine Mixture	Unknown Mixture	1-3	Y	2	1	0	B
Polyamide Resin	6841020	3-5	Y	1	1	0	B
Polyamide Resin	6841031	3-5	Y	1	1	0	B
Zinc Sulfide	1314-98-3	5-10	Y	1	0	0	E

Note: All Materials in this product are listed in the TSCA inventory.

Section III – Physical Data

Form: Putty
Appearance/Color: Titanium/White
Odor: Sweet/Ammoniac/Sulfuric
Solubility (in Water): Negligible
Boiling Range: N/E
Vapor Pressure (mmHg): N/E
Evaporation Rate: N/E
Vapor Density: N/E
% Volatile: < 1%
VOC: < 1%
Specific Gravity: 1.85/1.96 avg = 1.90

Note: The physical data represented above are typical values and should not be construed as a specification. For additional physical data and details on use, please obtain a data sheet for this product.

Section IV – Fire and Explosion Hazard Data

Flammability Class: IIIB
Flash Range: > 300 F
Explosive Range: N/E
Extinguishing Media: CO, CO₂, Water spray, Dry Chemicals, Foams
Unusual Hazards: May Emit oxides of sulfur, carbon and nitrogen.

N/A = Not Applicable, N/E = Not Evaluated, N/Av = Not Available

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Fire Fighting: Fire Fighters and others who may be exposed to the products of combustion should be equipped with NIOSH approved positive pressure self-contained breathing apparatus (SCBA) and full protective clothing. Keep people away, stay upwind, and isolate the fire area.

Section V – Health Hazard Data

<i>Hazardous Ingredient</i>	<i>Lethal Dose Information:</i>	<i>Oral</i>	<i>Dermal</i>	<i>Inhale</i>	<i>LC50</i>
Diglycidyl Ethers of Bisphenol A Resins		11400 mg/kg	20000 mg/kg	N/Av	N/Av
Aliphatic Amine Mixture		> 500 mg.kg	> 1000 mg.kg	N/Av	N/Av
Polyamide Resin		N/Av	N/Av	N/Av	N/Av
Polyamide Resin		N/Av	N/Av	N/Av	N/Av
Zinc Sulfide		N/Av	N/Av	N/Av	N/Av

Permissible Exposure Level N/E

Effects of Overexposure:

Inhalation	Dizziness, drowsiness, loss of consciousness
Ingestion	Irritation of digestive tract, digestive discomfort
Skin Contact	Redness irritation, swelling. May cause allergic sensitization.
Eye Contact	Redness irritation, swelling. May cause allergic sensitization.

First Aid:

Inhalation	Remove to fresh air.
Ingestion	Seek Medical Advice.
Skin Contact	Wash thoroughly with plenty of soap and water. If irritation persists, seek medical advice.
Eye Contact	Flush with water for at least 15 minutes. Seek medical advice.

Note: Never give anything by mouth to an unconscious person.

Section VI – Stability and Reactivity Data

Stability:	This product is stable
Hazardous Polymerization:	Will not occur
Incompatibility:	None
Conditions to Avoid:	None
Hazardous Decomposition Products	Oxides of sulfur, carbon, and nitrogen.

Section VII – Spill and Leak Procedures

Steps to be Taken:	Dispose of in normal manner.
Waste Disposal Method:	Incinerate or bury in landfill in accordance to all applicable regulations. Cured product is not a hazardous waste.

Section VIII – Exposure Controls/Personal Protection

<i>Hazardous Ingredient</i>	<i>Occupational Exposure Limits:</i>	<i>ACGIH TLV</i>	<i>ACGIH TLV - C</i>	<i>ACGIH STEL</i>	<i>OSHA STEL</i>	<i>OSHA PEL</i>
Diglycidyl Ethers of Bisphenol A Resins		N/av	N/av	N/av	N/av	N/av
Aliphatic Amine Mixture		N/av	N/av	N/av	N/av	N/av
Polyamide Resin		N/av	N/av	N/av	N/av	N/av

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Polyamide Resin
Zinc Sulfide

N/av N/av N/av N/av N/av
5 mg/m³ N/av N/av N/av 5 mg/m³

Protective Equipment Types:

Eyes: Safety Glasses or Goggles
Respiratory: None required unless sanding or abrading.
Gloves: When mixing by hand appropriate impervious gloves are recommended.
Because a wide variety of protective gloves exist, consult glove manufacturer for recommendations.
Other: None required

Ventilation:

General Mechanical: None required.
Local Exhaust: None required.

Section IX Handling and Storage

Handling:

Storage Temperature: Below 90 °F
Storage Conditions: Store in cool, dry, well ventilated area.
Transfer: No special precautions are needed. Follow good manufacturing and handling practices.

Personal Hygiene: Wash thoroughly after handling, especially before eating, smoking, and using restroom facilities. Wash contaminated gloves. Launder contaminated clothing before reuse.

Empty Container Precautions: Attention! This container can be hazardous when empty. Follow label cautions even after the container is empty since empty containers could retain product residues. Do not re-use empty containers for food, clothing, products for human or animal consumption, or where contact with such can occur.

Section X – Regulatory Information

SARA TITLE III SECTION 313:

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

CAS Number	Chemical Name	%
1314-98-3	Zinc Sulfide	5 – 10
<i>OSHA Hazard Communication Standard</i>		
1314-98-3	Zinc Sulfide	5 – 10

Right-to-Know

The non-hazardous ingredients in this product subject to the Pennsylvania, New Jersey, and/or Massachusetts Right-To-Know laws are:

CAS	Name
14807-96-6	Magnesium Silicate Hydrate
471-34-1	Calcium Carbonate
7440-32-6	Titanium Powder
66402-68-4	Soda Lime Borosilicate Glass

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Note:

USERS RESPONSIBILITY: A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions – in addition to those described herein – are required. Any health hazard and safety information herein should be passed on to your customers or employees as the case may be.

DISCLAIMER OF LIABILITY: The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representation of warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information refers. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

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