



MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Manufacturer: Black Swan Manufacturing Co. 4540 W. Thomas Street Chicago, IL 60651-3318 Telephone: 1-800-252-5796 Fax: 1-773-227-3705 Web Site: www.blackswanmfg.com E-mail: info@blackswanmfg.com	For any transportation or medical chemical emergencies call: <p style="text-align: center;">INFOTRAC</p> <p style="text-align: center;">(800) 535-5053 <u>OR</u> (352) 323-3500</p> <p style="text-align: center;">24 hours per day - 7 days a week</p>
Product Name: <p style="text-align: center;">Stik-It Epoxy Putty</p>	Recommended Use: Plugging, sealing, mending, and patching almost anything, including metals, wood, glass, concrete, ceramics and most plastics.

SECTION 2 - HAZARD(S) IDENTIFICATION

<p style="text-align: center;">NFPA</p> <div style="display: flex; justify-content: space-between;"> <div data-bbox="113 819 292 955"> HEALTH HAZARD 4 Deadly 3 Extreme Danger 2 Hazardous 1 Slightly Hazardous 0 Normal Material </div> <div data-bbox="276 861 487 1050"> </div> <div data-bbox="487 819 812 976"> FIRE HAZARD Flash Points 4 Below 73°F (Boiling pt. below 100°F) 3 Below 73°F (Boiling pt. at/above 100°F) and/or at/above 73°F - not exceeding 100°F 2 Above 100°F, Not exceeding 200°F 1 Above 200°F 0 Will not burn </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div data-bbox="113 997 292 1092"> SPECIFIC HAZARD Oxidizer OX Use NO WATER -W Simple Asphyxiant SA </div> <div data-bbox="487 976 730 1113"> INSTABILITY 4 May detonate 3 Shock and heat may detonate 2 Violent chemical changes 1 Unstable if heated 0 Stable </div> </div>		<p style="text-align: center;">HMIS</p> <table border="1" style="width: 100%;"> <tr> <td style="background-color: #000080; color: white;">HEALTH</td> <td style="background-color: #000080; color: white; text-align: center;">1</td> <td rowspan="3" style="vertical-align: top;"> 0 Minimal Hazard 1 Slight Hazard 2 Moderate Hazard 3 Serious Hazard 4 Severe Hazard </td> </tr> <tr> <td style="background-color: #FF0000; color: white;">FLAMMABILITY</td> <td style="background-color: #FF0000; color: white; text-align: center;">1</td> </tr> <tr> <td style="background-color: #FFD700; color: black;">REACTIVITY</td> <td style="background-color: #FFD700; color: black; text-align: center;">0</td> </tr> </table> <p style="text-align: center; margin-top: 10px;"> <input type="checkbox"/> PPE <input checked="" type="checkbox"/> X </p>	HEALTH	1	0 Minimal Hazard 1 Slight Hazard 2 Moderate Hazard 3 Serious Hazard 4 Severe Hazard	FLAMMABILITY	1	REACTIVITY	0
HEALTH	1	0 Minimal Hazard 1 Slight Hazard 2 Moderate Hazard 3 Serious Hazard 4 Severe Hazard							
FLAMMABILITY	1								
REACTIVITY	0								
<p style="text-align: center;">Health</p> Acute Toxicity: N/A Skin Corrosion: N/A Eye Irritation: N/A Skin Sensitization: NO	<p style="text-align: center;">Environmental</p> Acute Toxicity: N/A Chronic Toxicity: N/A	<p style="text-align: center;">Physical</p> Flammability: N/A Other: N/A							
<p style="text-align: center;">Hazardous Statement</p> Harmful if swallowed. Eye irritant. Contains epoxy and amine resins.	<p style="text-align: center;">Precautionary Statement</p> Keep out of reach of children. Potential sensitizer irritant.								

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<u>Hazardous Chemicals</u>	<u>CAS #</u>	<u>EINECS#</u>	<u>Approx %</u>
MAGNESIUM SILICATE HYDRATE	14807-96-6	238-877-9	30-60%
AMINOETHYLPIPERAZINE	140-31-8	205-411-0	1-5%
TITANIUM DIOXIDE	13463-67-7	236-675-5	1-5%
BISPHENOL A DIGLYCIDYL ETHER RESIN	25068-38-6	N/A	10-30%
CRYSTALLINE SILICA	14808-60-7	238-878-4	0.1-1%
TRADE SECRET	N/A	N/A	10-30%

*Title III Section 313 Supplier Notification: This product contains toxic chemicals subject to the reporting requirement of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40CFR372. This information must be included in all MSDS's that are copied and distributed for this material.

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SECTION 4 - FIRST-AID MEASURES

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

Skin: Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

Eyes: Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.

Ingestion: If swallowed, do NOT induce vomiting. Call a physician or poison control center.

SECTION 5 - FIRE-FIGHTING MEASURES

<u>Extinguishing Media</u>		<u>Specific Hazards</u>	<u>Protective Equipment</u>
<u>Suitable</u>	<u>Unsuitable</u>		
Carbon Dioxide	Water	None.	Self-contained breathing apparatus {(SCBA), MSHA/NIOSH}.
Dry Chemical	Foam		Full protective gear.

Special Firefighting Procedures

Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do NOT enter confined fire space without full protective gear. If possible, contain fire run-off water.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.

Protective Equipment: None.

Emergency Procedures: None.

Environmental Precautions: Avoid runoff into storm sewers, ditches, and waterways.

Methods for Cleaning-Up: Absorb spill with inert material, then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section. After removal, flush spill area with soap and water to remove trace residue. Avoid personal contact and breathing vapors or mists. Ventilated area. Use proper personal protective equipment as listed in section 8.

Other Precautions: Pump or shovel to storage/salvage vessels.

SECTION 7 - HANDLING AND STORAGE

<u>Handling</u>	<u>Storage</u>
Use with adequate ventilation. Avoid breathing vapors, aerosol or mist. Provide appropriate ventilation/respiratory protection against decomposition products during welding/flame cutting operations and to protect against dust during sanding/grinding of cured product.	Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use.

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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA Exposure Limits

<u>Hazardous Components</u>	<u>ACGIH-TLV</u>	<u>OSHA-PEL</u>
MAGNESIUM SILICATE HYDRATE	2 mg/m3	20 mppcf
AMINOETHYLPIPERAZINE	N/A	N/A
TITANIUM DIOXIDE	10 mg/m3	N/A
BISPHENOL A DIGLYCIDYL ETHER RESIN	N/A	N/A
CRYSTALLINE SILICA	0.025 mg/m3	10 mg/m3
TRADE SECRET	N/A	N/A

Personal Protective Equipment

Respiratory Protection: A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not be provide adequate protection.

Ventilation: None.

Other Protective Equipment:

<u>Protective Gloves</u> Gloves.	<u>Eyes and Face Protection</u> Glasses/Splash goggles.	<u>Other Protective Equipment</u> Eyewash & shower safety station.
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Other Precautions: None.

Engineering Controls

None.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

<p>Appearance: Putty</p> <p>Odor: Low</p> <p>Odor Threshold: N/A</p> <p>pH: 9.5 @ 5 percent solution</p> <p>Melting/Freezing Point: N/A</p> <p>Boiling Point: N/A</p> <p>Boiling Range: N/A</p> <p>Flash Point: >500°F (260°C)</p> <p>Evaporation Rate: <1 (butyl acetate=1)</p> <p>Flammability: N/A</p> <p>Flammability Limits: LEL:N/A ; UEL:N/A</p>	<p>Volatile by Volume: N/A</p> <p>Vapor Pressure: Negligible</p> <p>Vapor Density: >1 (air=1)</p> <p>Relative Density: N/A</p> <p>Solubility: Negligible</p> <p>Partition Coefficient: n-octanol/water: N/A</p> <p>Auto-ignition Temperature: N/A</p> <p>Specific Gravity (H2O=1): 1.9</p> <p>Viscosity: N/A</p> <p>VOC: 0 g/l</p>
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SECTION 10 - STABILITY AND REACTIVITY

<u>Stability</u>	<u>Hazardous Polymerization</u>	<u>Conditions To Avoid</u>
Stable Unstable <input checked="" type="checkbox"/> <input type="checkbox"/>	May Occur Will Not Occur <input type="checkbox"/> <input checked="" type="checkbox"/>	Extreme heat, sparks, and open flame. Incompatible materials, oxidizers and oxidizing conditions. Heating resin above 300°F in the presence of air may cause slow oxidative decomposition.
<p><u>Incompatible Materials</u></p> Strong Lewis or mineral acids, strong oxidizing agents, strong mineral and organic bases (specially primary and secondary aliphatic amines).		<p><u>Hazardous Decomposition Products</u></p> None.

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SECTION 11 - TOXICOLOGICAL INFORMATION

<u>Likely Routes of Exposure</u>	<u>Symptoms/Effects</u>	
Inhalation <input checked="" type="checkbox"/>	Respiratory tract irritant. High concentration may cause dizziness, headache, and anesthetic effects. May cause respiratory sensitization with asthma-like symptoms. Can cause skin irritation; itching, redness, rashes, hives, burning, and swelling. Allergic reactions are possible. May cause skin sensitization, an allergic reaction. Can cause moderate irritation, burning sensation, tearing, redness, and swelling. Overexposure may cause lacrimation, conjunctivitis, corneal damage & permanent injury. Causes irritation, a burning sensation of the mouth, throat and gastrointestinal tract and abdominal pain.	
Skin Contact <input checked="" type="checkbox"/>		
Eye Contact <input checked="" type="checkbox"/>		
Ingestion <input checked="" type="checkbox"/>		
Long-Term Effects:	Prolonged skin contact may lead to burning associated with severe reddening, swelling, and possible tissue destruction. Overexposure can cause headaches, dizziness, nausea, and vomiting.	
Pre-Existing Conditions:	Individuals with pre-existing skin disorders, asthma, allergies or known sensitization may be more susceptible to the effects of this product.	
<u>Toxicity</u>		
Hazardous Components	LD₅₀	LC₅₀
MAGNESIUM SILICATE HYDRATE	N/A	N/A
AMINOETHYLPIPERAZINE	Oral: 2140 uL/kg (rat) ; Dermal: 880 uL/kg (rabbit)	N/A
TITANIUM DIOXIDE	N/A	N/A
BISPHENOL A DIGLYCIDYL ETHER RESIN	N/A	N/A
CRYSTALLINE SILICA	N/A	N/A
TRADE SECRET	N/A	N/A

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	None.
Persistence & Degradability:	None.
Bioaccumulative Potential:	None.
Mobility in Soil:	None.
Other Adverse Effects:	None.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations.
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SECTION 14 - TRANSPORTATION INFORMATION

D.O.T. (U.S.) : Not Regulated.

SECTION 15 - REGULATORY INFORMATION

None.

SECTION 16 - OTHER INFORMATION

Disclaimer:	Revision Date: JULY 2010
Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act and shall not be used for any other purpose. Black Swan Manufacturing Co. urges the customers receiving this Material Safety Data Sheet to study it carefully to become aware of the hazards, if any, of the product involved. In the interest of safety, you should notify your employees, agents, and contractors of the information on the sheets.	