

B & B Etching Products, Inc.
MATERIAL SAFETY DATA SHEET
etchall® dip 'n etch

SECTION I: CHEMICAL PRODUCTS AND COMPANY IDENTIFICATION

1. Identification of the Preparation and the Company

1.1 Identification of the Preparation

Product Name **etchall® dip 'n etch**

Product Sizes: 4 fluid ounces (118 milliliters)
16 fluid ounces (473 milliliters)
32 fluid ounces (946 milliliters)

Intended Use etching glass, mirror, ceramic, slate, and marble

1.2 Identification of the Company

B & B ETCHING PRODUCTS, INC.
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Peoria, Arizona 85382 USA
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SECTION II: COMPOSITION / INFORMATION ON INGREDIENTS

2. Composition / Information on Ingredients

HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Ammonium Bifluoride:	UN#1727
Percent:	27 %
ACGIH TLV:	3 PPM as F 25 PPM as NH3
NIOSH (RTECS) No.	N/A
CAS No.	# 1341-49-7
OSHA PEL	2.5 mg/m3 as F 35PPM as NH3

SECTION III: HAZARDS IDENTIFICATION

3. Hazards Identification

DANGER: Harmful if swallowed. May cause burns, which may not be immediately painful or visible.

SECTION IV: FIRST AID MEASURES

4. First Aid Measures

HEALTH HAZARD DATA

EMERGENCY AND FIRST AID PROCEDURES:

PRIMARY ROUTES OF ENTRY: Eyes, Skin, Ingestion, Inhalation. Avoid contact with mucous membranes and open cuts on skin. If there are no open cuts, creme will cause no harm to skin if it is washed off with soap and water within one minute.

EYES: If eye contact occurs, immediately flush eyes with plenty of water for 15 minutes, holding eyelids apart to ensure flushing of entire eye surface. Seek medical attention if irritation persists.

INGESTION: Drink 1-2 glasses of milk or water.

SKIN: Flush with water as soon as possible after contact with skin if irritation is apparent. Always wash skin after contact with creme. Wash skin well with soap and water and apply a soothing ointment like Neosporin or Polysporin.

INHALATION: Excessive inhalation due to long term and close proximity to material can cause irritation to the upper respiratory tract.

SECTION V: FIRE FIGHTING MEASURES

5. Fire Fighting Measures

FIRE AND EXPLOSION HAZARD DATA

NON-FLAMMABLE. No special fire fighting procedures required. No special extinguishing media required. Excessive heat may release toxic corrosive gases.

SECTION VI: ACCIDENTAL RELEASE MEASURES

6. Accidental Release Measures

Contain spills immediately with inert materials (e.g. sand, earth).

SECTION VII: HANDLING AND STORAGE

7. Handling and Storage

ENVIRONMENTAL PROCEDURES AND SAFE HANDLING INSTRUCTIONS

Keep product out of reach of children: Store only in plastic containers such as polyethylene, polypropylene or polyvinyl chloride at temperatures between 65 and 85 degrees Fahrenheit (18 degrees to 30 degrees Celsius). Crystals will form in product at temperatures below 65 degrees Fahrenheit (18 degrees Celsius), but will dissolve when product temperature is raised above 65 degrees Fahrenheit (18 degrees Celsius).

SECTION VIII: EXPOSURE CONTROLS / PERSONAL PROTECTION

8. Exposure Controls / Personal Protection

SPECIAL PROTECTION EQUIPMENT

Ventilation: Local exhaust, normal ventilation. Wear impermeable protective gloves. Wear goggles when there is danger of splattering (i.e. cleanup and washing down of spills). Wear a plastic apron or work-type clothing. Wash hands and exposed skin after contact. Use a NIOSH-certified mask for dusts or mists.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

9. Physical and Chemical Properties

PHYSICAL AND CHEMICAL CHARACTERISTICS

APPEARANCE:	Clear liquid with the consistency of water and a mild, ammonia-like odor.
BOILING POINT:	210 ° F
MELTING POINT:	N/A
VAPOR PRESSURE:	same as water
VAPOR DENSITY:	N/A
MOLECULAR WEIGHT:	N/A
SPECIFIC GRAVITY:	1.00
SOLUBILITY IN WATER:	Unlimited
pH:	5.2

SECTION X: STABILITY AND REACTIVITY

10. Stability and Reactivity

REACTIVITY DATA

Hazardous Polymerization Products: None
Stability: Stable, avoid excessive heating, strong acids, and alkalis
Stable Conditions to Avoid: None
Incompatibility (Materials to Avoid): None
Hazardous Decomposition Products: None

SECTION XI: TOXICOLOGICAL INFORMATION

11. Toxicological Information

SIGNS / SYMPTOMS OF OVEREXPOSURE: Could irritate sinuses if exposed for an extended period of time. A fume-type respirator would be recommended under these conditions. In case of contact with eye or skin, flush well with water. Extremely toxic if taken internally. If swallowed, drink one or two glasses of milk or water. Seek medical attention immediately.

EFFECTS AND SYMPTOMS OF ACUTE OVEREXPOSURE: Skin irritant. Eye irritant. Harmful or fatal if swallowed. May be harmful by breathing dusts or mists. Contact may result in blistering or ulcers of skin. Contact may result in severe eye pain and impairment of vision.

EFFECTS AND SYMPTOMS OF CHRONIC EXPOSURE: Exposure may result in damage to bones and ligaments. Chronic exposure may result in bone changes with associated joint stiffness.

NO KNOWN CARCINOGENICITY. NOT KNOWN TO AGGRAVATE ANY PRE-EXISTING MEDICAL CONDITIONS.

SECTION XII: ECOLOGICAL INFORMATION

12. Ecological Information

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SECTION XIII: DISPOSAL CONSIDERATION

13. Disposal Consideration

Disposal: A moderate amount of product can be flushed down sewer with plenty of water. Flush with water or neutralize with lime. If a large quantity is being disposed of, comply with all federal, state, and local regulations. No special spill procedures required.

SECTION XIV: TRANSPORT INFORMATION

14. Transport Information

- Road / Rail**
Not Classified
- Sea**
Not Classified
- Air**
Not Classified

SECTION XV: REGULATORY INFORMATION

15. Regulatory Information

The medical checkup is not compulsory for the personnel who are exposed to the product.

SECTION XVI: OTHER INFORMATION

16. Other Information

ADDITIONAL INFORMATION

B & B Products, Inc. 's etchall etching creme contains 20% Ammonium Bifluoride by weight and has a pH of 5.2.

The information herein is given in good faith but no warranty, expressed or implied is made.