SECTION I: CHEMICAL PRODUCTS AND COMPANY IDENTIFICATION

1. Identification of the Preparation and the Company

1.1 Identification of the Preparation

Product Name . . . . . . . . . . . . etchall® resist gel
Product Size . . . . . . . . . . . . 4 fluid ounces (118 milliliters)
Intended Use . . . . . . . . . . . a gel used to prevent etching on: glass, mirror, ceramic glazes, marble beads, and slate

1.2 Identification of the Company

B & B ETCHING PRODUCTS, INC.
19721 N. 98th Avenue
Peoria, Arizona  85382  USA
24-HOUR EMERGENCY PHONE #
USA (800) 535-5053
INTERNATIONAL CALL COLLECT (352) 323-3500
INFORMATION PHONE # (803) 584-7315
FAX # (803) 584-7316
E-MAIL: etchall@etchall.com

SECTION II: COMPOSITION / INFORMATION ON INGREDIENTS

2. Composition / Information on Ingredients

HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

INGREDIENTS: N/A  CASE NO. N/A
WEIGHT %: N/A  ACGIH TLV: N/A
OSHA PEL: N/A
(No hazardous ingredients known at this time.)

SECTION III: HAZARDS IDENTIFICATION

3. Hazards Identification

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SECTION IV: FIRST AID MEASURES

4. First Aid Measures

HEALTH HAZARD DATA

EMERGENCY AND FIRST AID PROCEDURES:
EYE CONTACT: 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.
**SKIN CONTACT:** Remove contaminated clothing. Wash affected area with soap and water.  
**INHALATION:** Remove to fresh air.

**SECTION V: FIRE FIGHTING MEASURES**

5. Fire Fighting Measures

**FIRE AND EXPLOSION HAZARD DATA**

- **FLAMMABILITY CLASS:** None
- **FLASH POINT:** N/A
- **F SETAFLASH LEL:** N/M
- **UEL:** N/M
- **EXTINGUISHING MEDIA:** Water, foam, carbon dioxide or dry chemical
- **SPECIAL FIREFIGHTING PROCEDURES:** Wear positive pressure self-contained NIOSH approved breathing equipment.
- **UNUSUAL FIRE & EXPLOSION HAZARDS:** Sealed container may rupture. Keep cool with water.

**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**

Steps to be taken in case material is released or spilled: Ventilate area. Spill area will be slippery. Contain spill. Recover as much as possible for reuse. Spread commercial absorbent over remainder and place into sealed containers for disposal.  
**Waste Disposal:** Dispose in accordance with local, state and federal regulations. Most states prohibit disposal of liquids in landfills.

**SECTION VIII: EXPOSURE CONTROLS / PERSONAL PROTECTION**

8. Exposure Controls / Personal Protection

**PERMISSIBLE EXPOSURE LEVEL:** Unless otherwise noted in Hazardous Ingredients/Identity Information Section, this product contains <0.1% Formaldehyde.  
OSHA Pel - 0.75 ppm TWA, 2 ppm Stel, 0.5 ppm Action Level, ACGIH TLV - 0.3 ppm Ceiling Limit.

**EFFECTS OF OVEREXPOSURE:** Processing this product may cause exposure to formaldehyde. Precautions and practices should be implemented to minimize exposure since the potential for adverse health effects from formaldehyde is largely dependent upon the level of exposure via air, skin, and eyes. Formaldehyde vapors are irritating to the eyes, nose and throat at levels below the Stel for some people. Repeated and excessive exposure to
formaldehyde vapors can cause respiratory sensitization in some people. OSHA and ACGIH believe that excessive exposure to airborne formaldehyde creates a cancer risk to the human respiratory system.

Prolonged or repeated skin contact with solutions containing formaldehyde may cause some people to develop allergic rashes or other skin disorders.

The Potential for exposure to formaldehyde from processing this product is influenced by the inherent formaldehyde content, processing conditions, work practices, ventilation and the use of personal protective equipment. Your particular application or process should be carefully evaluated for potential formaldehyde exposures.

SPECIAL PROTECTION INFORMATION

Ventilation: Mechanically exhaust vapors at point(s) of application. If applicable, maintain airborne contaminant levels of chemicals below their recommended TLV’s (see Hazardous Ingredients/Identity Information). Wear impervious protective gloves. Wear splash goggles. Respiratory protection is usually not required; however, for confined areas or areas with poor ventilation, use an organic vapors cartridge type respirator.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

9. Physical and Chemical Properties

PHYSICAL AND CHEMICAL CHARACTERISTICS

APPEARANCE: Viscous Liquid
BOILING POINT: 212° F
MELTING POINT: N/A
VAPOR PRESSURE: N/A
VAPOR DENSITY: Lighter than Air
LIQUID DENSITY: Heavier than water
MOLECULAR WEIGHT: 8.8 lbs. per gallon
SPECIFIC GRAVITY: 1.05642
REACTIVITY IN WATER: Non-reactive
SOLUBILITY IN WATER: N/A
EVAP. RATE: Slower than n-Butyl Acetate
VOLATILES VOL %: N/M
WGT%: 58

SECTION X: STABILITY AND REACTIVITY

10. Stability and Reactivity

HAZARDOUS POLYMERIZATION: Will not occur.
STABILITY: Stable.
CONDITIONS TO AVOID: Mixture with or exposure to strong oxidizing agents.
INCOMPATIBILITY(Materials to Avoid): Strong Oxidizing Agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide and Carbon Dioxide
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

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

SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing: wash thoroughly before eating or smoking.
Other Precautions: As with all chemicals, good industrial hygiene and proper work habits should be observed.
Disclaimer Section: The information contained herein is based on data considered accurate; however, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.