

**BRADY B-431 PLASTIC BIOHAZARD SAFETY SIGN**

TDS No. B-431  
 Effective Date: 11/06/2017

**Description:**

Brady B-431 Plastic Biohazard Safety Sign is a polystyrene/synthetic film laminate sign panel. Sign panels are overlaminated for increased chemical and abrasion resistance.

**Details:**

**Use:**

Brady B-431 signs are used to identify the actual or potential presence of biologically hazardous materials.

**Relevant Standards:**

Meets OSHA Standards 1910.145(e)(4) and 1910.1030(g)(1)

**Material Construction:**

High impact polystyrene/synthetic film laminate.

**Standard Legend Colors:**

Black

**Thickness (ASTM D 1593):**

Total: 0.083 in. (2.10 mm)

**Abrasion Resistance (Method 5306 of U.S. Federal Test Method Std. No. 191A):**

CS-17 wheels, 1000 g wts.  
 Overlaminated withstands up to 4000 cycles

**Service Temperature:**

-40°F to 158°F (-40°C to 70°C)

**Chemical Resistance:**

REAGENT	7 DAY IMMERSION	DIP TEST
30% Sulfuric Acid	NE	NE
10% Sulfuric Acid	NE	NE
30% Hydrochloric Acid	NE	NE
10% Hydrochloric Acid	NE	NE
Glacial Acetic Acid	F	F
5% Acetic Acid	NE	NE
50% Sodium Hydroxide	F	NE
10% Sodium Hydroxide	F	NE
10% Ammonia	NE	NE
5% Sodium Hypochlorite	NE	NE
10% Sodium Chloride	NE	NE
MEK	F	F
Acetone	F	F
Toluene	F	NE
Methanol	F	NE
Isopropyl Alcohol	F	NE
Heptane	F	NE
Mineral Spirits	NE	NE
Turpentine	F	F
Diesel Fuel	F	NE
Kerosene	F	NE
Gasoline	F	F

ASTM #3 Oil	NE	NE
SAE 20 Oil	NE	NE
Alconox®	NE	NE
Water	NE	NE

NE = No Effect

F = Failed (affected Sample)

7 Day Immersion: Immersed in reagent for 7 days.

Dip Test: Five 10 minute dips in reagent with 30 minute recovery.

**Shelf Life:**

Unlimited when stored at 70°F (21°C) and 40% to 50% R.H.

**Trademarks:**

Alconox® is a registered trademark of Alconox Co.

Signmark® is a registered trademark of Brady Worldwide, Inc.

ASTM: American Society for Testing and Materials (U.S.A.)

Fed. Spec.: United States Federal Specification (U.S.A.)

OSHA: Occupational Safety & Health Administration

PSTC: Pressure Sensitive Tape Council (U.S.A.)

**Note:** All values shown are averages and should not be used for specification purposes.

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