

# Material Safety Data Sheet

## Section 1

**Contact Name & Address:**

American Polymer Standards Corporation,  
8680 Tyler Blvd., Mentor, OH 44060

**Product Name:** Poly(Vinyl Butyral)**CAS #:** 27360-07-2**HMIS RATING:****Health:** 1**Fire:** 1**Reactivity:** 0**Personal Protection:** E**Emergency Telephone No. :**

(440) 255-2211

**Synonyms:** PVB**Formula:** (C<sub>8</sub>H<sub>14</sub>O<sub>2</sub> C<sub>4</sub>H<sub>6</sub>O<sub>2</sub> C<sub>2</sub>H<sub>4</sub>O)<sub>n</sub>

## Section 2 (Physical Data)

**Physical Appearance:** Powder**Boiling Point:** Not Available**Critical Temperature:** Not Available**Vapor Pressure:** Not Available**Volatility:** Not Available**Odor:** Slight**Melting Point:** Not Available**Specific Gravity:** Not Available**Vapor Density:** Not Available**Solubility:** Insoluble in Water

## Section 3 (Fire & Explosion Hazards Data)

**Flammability of Product:** 7 May be combustible at high temperatures. **Auto-Ignition Temp.:** 734°F (dust)**Flash Points:** Not Available**Flammable Limits:** Not Available**Products of Combustion:****Fire & Explosion Hazards in Presence of Various Substances:****Fire Fighting Media and Instructions:** Use DRY Chemical Powder, Use water spray, fog or foam. Do Not Use Water Jet! Firefighters must wear SCBA & Full Protective Clothing.**Special Remarks on Fire & Explosion Hazards:** This material may contain enough fines to form an explosive mixture if mixed with a sufficient quantity of air

## Section 4 (First Aid Measures)

**Eye Contact:** Check for & remove contact lenses. Immediately flush eyes with running water for a least 15 min., keeping eyelids open. Seek medical attention. NO PROCEDURES ARE EXPECTED TO BE REQUIRED**Skin Contact:** After contact with skin, wash immediately with plenty of water. Seek medical attention is irritation develops.**Inhalation:** Allow the victim to rest in a well ventilated area. If not breathing give artificial respiration. If breathing is difficult give oxygen. Seek immediate medical attention.**Ingestion:** If swallowed wash out mouth with water provided person is conscious. Seek immediate medical attention.

## Section 5 (Toxicology Information)

**Route of Exposure:** **Skin:** May cause skin irritation, May be harmful if absorbed through the skin. **Eyes:** May cause eye irritation. May cause allergic skin reaction. **Inhalation:** May be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled. **Ingestion:** May be harmful if swallowed.**Toxicity Data:** To the best of our knowledge the chemical, physical & toxicological properties have not been thoroughly investigated.**Toxic to Animals:** Oral (LD50) >10000 mg/kg (rat) Practically non-toxic after oral administration**Chronic Effects on Humans:** Not Available**Other Toxic Effects on Humans:** Not Available

### **Section 6 (Stability & Reactivity Data)**

**Stability:** Product is Stable at typical use temperatures

**Instability Temp.:** Not Available

**Conditions of Instability:** All sources of ignition, high humidity and elevated temperatures

**Polymerization:** Will not Occur

**Hazardous Decomposition of products formed under fire conditions:** Hazardous Decomposition Products: Butyraldehyde; butyric acid; acrolein; crotonaldehyde and carbon monoxide

**Incompatibility with various substances:** Avoid strong oxidizing agents

### **Section 7 (Accidental Release Measures)**

**Spill:** Use appropriate tools to clean spill. Store spilled material in a suitable container for disposal.

**Disposal:** Consult and follow local and regional authority requirements

### **Section 8 (Special Protection Information)**

**Personal Protection:** Splash goggles, Lab coat, Gloves and Dust respirator. Be sure to use an approved/certified respirator or equivalent.

**Exposure Limits:** Not Available (AVOID BRATHING DUST)

**Other Protective Equipment:** Rubber Boots, Safety Shower and Eye Bath after clean up.

**Other Precautions:** Use protective clothing, gloves, safety goggles and mask. Wash thoroughly after handling.

### **Section 9 (Storage & Handling)**

**Handling:** Use good housekeeping procedures. Normal measures for preventive fire protection.

**Storage:** Keep container dry and tightly closed. Keep in a cool place that is well- ventilated.

### **Section 10 (Transport & Regulatory Information)**

#### **DOT**

**Proper Shipping Name:** None

**Non-Hazardous for Transport:** This substance is considered non-hazardous for transport.

**Non-Hazardous for Air Transport:** This substance is considered non-hazardous for air transport

#### **USA Regulatory Information**

**SARA Listed:** No

**TSCA Inventory Listed:** On the TSCA Inventory or exempt for TSCA Inventory requirements

#### **Canada Regulatory Information**

**WHMIS Classification:** Information Not Available

**DSL:** Yes

**NDSL:**

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**Last Updated: 8/22/2011**