

# Material Safety Data Sheet

## Section 1

**Contact Name & Address:**

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

**Emergency Telephone No. :**

(440) 255-2211

**Product Name:** Dextran**Synonyms:** DXT, D, Polysaccharide, Glucose Polymer**CAS #:** 9004-54-0**Formula:**  $[C_6H_{10}O_5]_n$ **HMIS RATING:****Health:** 1**Fire:** 1**Reactivity:** 0**Personal Protection:** E

## Section 2 (Physical Data)

**Physical Appearance:** Powder, Solid**Odor:** Phenolic-Like (SLIGHT)**Boiling Point:** Not Available**Melting Point:** Not Available**Critical Temperature:** Not Available**Specific Gravity:** Not Available**Vapor Pressure:** Not Available**Vapor Density:** Not Available**Volatility:** Not Available**Solubility:** Soluble in Water

## Section 3 (Fire & Explosion Hazards Data)

**Flammability of Product:** May be combustible at high temperatures.**Auto-Ignition Temp.:** Not Available**Flash Points:** Not Available**Flammable Limits:** Not Available**Products of Combustion:** Carbon oxides**Fire & Explosion Hazards in Presence of Various Substances:** Slightly flammable in presence of heat. Non-filmable in presence of shocks. Slightly explosive in presence of open flames and sparks. Non-explosive in presence of shocks.**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:** As with most organic solids, fire is possible at elevated temperatures. Fine dust dispersion in air in sufficient concentration and in the presence of an ignition source is a potential dust explosion hazard.

## 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.**Skin Contact:** After contact with skin, wash immediately with plenty of water. Cover irritated skin with an emollient. 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:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing.

## 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:** Not Available**Chronic Effects on Humans:** Not Available

**Other Toxic Effects on Humans:** Slightly hazardous in case of skin contact (irritant), ingestion and inhalation.

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

**Stability:** Product is Stable at typical use temperatures      **Instability Temp.:** Not Available  
**Conditions of Instability:** Excess heat, dust generation,      **Polymerization:** Will not Occur  
incompatible materials.  
**Hazardous Decomposition of products formed under fire conditions:** Not Available  
**Incompatibility with various substances:** Reactive with oxidizing agents

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

**Spill:** Use appropriate tools to clean spill. Store spilled material in a suitable container for disposal. Finish cleaning by spreading water on the contaminated area.  
**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:** Not controlled under WHMIS

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