

# POLY A-20D

## TECHNICAL DATA SHEET

### **DESCRIPTION:**

**POLY A-20D** is a high molecular weight, very strongly charged, anionic flocculent, which effectively conditions sludges in waste water streams to enhance solid-liquid separation processes. **POLY A-20D** flocculent serves as an effective conditioning agent for a wide range of sludges that respond to anionic polymers.

**POLY A-20D** is economical to use; it is typically effective at low dosage levels due to its very strong anionic charge. It performs well over a wide pH range. **POLY A-20D** is a non-dusting powder that dissolves completely in water.

**POLY A-20D** is a highly effective anionic polyelectrolyte which may be used as a coagulant or dewatering aid in liquid-solid separation processes such as filtration, centrifugation, clarification, air flotation and thickening. It enhances throughput, solids concentration and effluent quality.

### **PROPERTIES:**

Appearance:	White to off-white granular solid.
Specific Gravity:	N.D.
pH:	N.D.
Charge:	Anionic

### **APPLICATION:**

**POLY A-20D** should be dissolved in tap water or warm water (less than 110°F.) using an eductor funnel or other appropriate equipment to make a 0.1% solution (0.8 lb. **POLY A-20D** per 100 gallons water, or 1.0 lb. **POLY A-20D** per 120 gallons water). Dissolution should be completed in approximately one hour; mixing conditions can affect dissolution rate.

For best results, allow the 0.1% solution to "age" for at least one hour to enhance polymerization of this solution prior to process injection. Solutions of **POLY A-20D** have good stability.

Inject the 0.1% solution of **POLY A-20D** at an area of gentle agitation in the waste stream for optimum performance. Turbulent mixing conditions in the process stream after **POLY A-20D** injection must be avoided so that floc destruction does not occur.

Jar testing is recommended to determine optimum effective dosage. Each waste stream will be different in composition and concentration; dosage rates must be determined.

### **PRODUCT CAUTIONS:**

Warning! May cause skin or eye irritation. May be harmful if swallowed. Contains anionic polymers. During use, wear safety eyewear and protective gloves. **Important!** Spills of this product are very slippery when wet.

### **EMERGENCY FIRST AID:**

**EYES & SKIN:** Immediately flush with large quantities of cool water continuously for at least 15 minutes. Call a physician. Remove contaminated clothing and shoes. Do not put contaminated clothing and shoes back on. Wash clothing and shoes thoroughly in soap and water; rinse repeatedly in clean water and dry before reuse.

**INGESTION:** Induce vomiting. Give water. Never give anything by mouth to an unconscious person. Call a physician.

If use is contemplated for purposes other than, or by methods different from those specifically recommended herein, please contact the manufacturer for advice.

**FOR INDUSTRIAL USE ONLY – KEEP OUT OF THE REACH OF CHILDREN.**



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