



- Provides more rapid and complete settling of sludge.
- Decreases time for floc formation.
- Improved BOD removal.
- Improved effluent clarity.
- Eliminates ferric chloride.
- Eliminates lime.
- Safer to use.
- Dilutable.
- Treat with 1 part **United 228** to up to 100,000 parts water.

**United 228** is effective for flocculating suspended solid particles in water and is particularly useful in conditioning waste-water sludges prior to dewatering in drying beds. **United 228** will increase filtration rates noticeably, enlarging the capacity of existing systems. Higher yields or solids will result and final effluents of exceptional clarity can be obtained.

**United 228** eliminates the need for ferric chloride and lime, reducing storage space and labor. In incineration, less ash is formed reducing burning time and air pollution.

**United 228** is effective over a range of pH 3-10. It is a cationic (positively charged) polymer with a pH of 7-8.

#### DIRECTIONS FOR USE:

**IMPORTANT: United 228** is a CONCENTRATE and should be diluted with water before use. Dilute each gallon of **United 228** with at least 5 to 10 gallons of water. **United 228** mixes easily with just hand stirring. If mechanical equipment is used, high speed agitators should be avoided, so as not to shear the chemical structure of **United 228** and thus reduce its efficiency.

The following directions for use are given as general guidelines. Concentrations may often be reduced, or under severe conditions may have to be increased. For best use concentration, the point and timing of the addition of **United 228** must be determined at each individual treatment facility.

# UNITED

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## LABORATORIES

# 228

## Flocculant Concentrate For Wastewater Treatment Facilities

Sold by:  
**UNITED LABORATORIES, INC.**

320 37th Avenue • St. Charles, IL 60174  
1-800-323-2594 • [www.unitedlabsinc.com](http://www.unitedlabsinc.com)

BATCH #

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CONTENTS

#### DIRECTIONS FOR USE: (continued)

**AS A FLOCCULANT:** 1 part of **United 228 Flocculant Concentrate** for each 10,000 - 20,000 parts of raw sewage.

**AS A FLOCCULANT AID:** 1 part of **United 228 Flocculant Concentrate** for each 50,000 - 100,000 parts of raw sewage.

**AS A SLUDGE CONDITIONING AGENT:** 1 part of **United 228 Flocculant Concentrate** for each 1,000 - 5,000 parts of sludge.

#### CAUTION:

Surfaces on which **United 228** has spilled or leaked are extremely slippery. Absorb spill with **United 415 POLYMERGE Polymer and Spill Encapsulate**. Then clean surface with **United 961 Non-Ammoniated Polymer Solvent**.

#### EMERGENCY AND FIRST AID PROCEDURES:

**EYES:** Flush with large amounts of water for several minutes. If irritation develops, call a physician.

**SKIN:** Wash with soap and water. If irritation develops, call a physician.

**INHALATION:** Remove to fresh air. No hazards which require special first-aid measures.

**IF SWALLOWED:** Do not induce vomiting. Contact a physician if large quantity of product is consumed.

An SDS for this product is available on United's website. Please read the SDS carefully and follow all directions when using or handling this product. Never reuse empty containers. Incompatible materials may adversely react.

<b>HMIS® III CODE</b> 0=MINIMAL 1=SLIGHT 2=MODERATE 3=SERIOUS 4=SEVERE <b>PERSONAL PROTECTION INDEX</b> Glasses and Gloves	HEALTH	0
	FLAMMABILITY	0
	PHYSICAL HAZARD	0
	PERSONAL PROTECTION	B



Made in the USA

325

**KEEP OUT OF REACH OF CHILDREN.**