



PRODUCT BULLETIN

SPEC CLEAR 2081

Cationic Polyacrylamide Flocculant

General Description

TEKCLEAR 2081 Flocculant is a unique cationic emulsions with a specific charge range and molecular structure for use in sludge conditioning, wastewater treatment and water clarification processes across the industry spectrum. These products are especially suited for biological and higher ash content sludges where increased cake solids are needed.

Advantages

- Unique chemical structure for maximizing cake solids in tough to dewater sludges
- Economical to use — lower dosage levels
- Improves production rates
- Achieve high solids removal efficiencies
- Easily soluble in water; dissolves rapidly
- Liquid form for easier handling
- Perform well over a wide pH range
- Reduce dewatering press solids extrusion

Depending on the application the following dosage levels are recommended; actual use is predicated upon conditions found at site. Lab testing should be made to determine best rate of treatment ratio.

Settling/Clarification	0.8 to 50 ppm
Thickening/Dewatering	3.0 to 60 lbs/ton

Principal uses

TEKCLEAR 2081 Flocculant is recommended for the following liquid-solid separation processes:

Belt filter, screw press and centrifuge dewatering for increased production rate, cake solids and solids capture; Dissolved air flotation — results in clearer underflows and greater flowrates; Gravity settling — improves floc formation for faster settling rates, increased sludge compaction and improved water quality; Coagulant aid — settling aid with inorganic and organic coagulants; Water clarification — improves influent, process and effluent water quality by reducing suspended solids and turbidity; Thickening — improved compaction, settling, drainage and effluent quality.

The above are the primary applications for **TEKCLEAR 2081 Flocculant**. This products may be beneficial in any liquid-solid separation process.

Application

Prior to initial use, agitate thoroughly via a low RPM (<475 rpm) drum/ IBC stirrer or a recirculating pump to ensure uniformity. Recommended for use as provided. Secondary dilution water can be added to the stock solution prior to the addition point to improve mixing with the substrate. A ratio of at least 10:1 is recommended. A distributing header or distribution ring is recommended in the treatment stream. Avoid centrifugal pumps for polymer transfer.

Availability

SPECFLOC CP 911 is shipped in 5 gallon, 55 gallon, and bulk quantities.

Handling

Recommended materials of construction include stainless steel, fiber glass, plastic and glass or epoxylined vessels. Do not use iron, copper or aluminum. The shelf life of these products is 6 months when stored at temperatures between 5-30°C. For best results avoid freezing. If the product freezes, thaw completely and mix prior to use. Spilled polymer is very slippery and should be absorbed onto an inert material and collected prior to thoroughly flushing with water.