



AQUARIGHT®
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PRODUCT DATA

PD 200

AQUARIGHT C-6660

DESCRIPTION AND USE

AQUARIGHT C 6660 is medium molecular weight cationic flocculant which effectively condition sludge for dewatering operations and aid water clarification processes.
AQUARIGHT C 6660 flocculant is effective conditioning agent for digested and waste activated sludge, various blends of primary and secondary sludge and biological sludge.
AQUARIGHT C 6660 is recommended for liquid-solids separation processes.

GENERAL SPECIFICATION

Appearance	:	White
Bulk Density (Compacted) gram/cm ³	:	0.60 – 0.68
Solution Viscosity (cps) ³	:	1.00% : 600
	:	0.50% : 280
	:	0.25% : 100
	:	0.10% : 30
Degree of ion (%)	:	55 - 60

TREATMENT AND DOSAGE REQUIREMENTS

For optimum results AQUARIGHT C 6660 should be used as a dilute solution between 0.1% and 0.5% solids.
To obtain homogeneous solutions, efficient dispersion is necessary. Following initial education, continue agitation with propeller mixer (200-500 rpm) in order to achieve complete dissolution, stock solution are stable for 3 days. At 0.10% concentration, fresh solution should be prepared every 24 hours, after 48 hours normally start to descending.
Dissolution tanks, pumps and pipes should be of plastic or epoxy lined materials or stainless steel.
Treatment levels
- Dewatering/thickening of sludge : 0.20-7.00 kg/ton
- Waste-water clarification : 0.50-50 ppm

PRODUCT BENEFITS

Economical to use - effective at very low dosage levels.
Perform well over a wide pH range.
Dissolve easily.
Sludge dewatering : give increased production rate, cake solids content, and solids capture in dewatering by :
- Belt filter
- Centrifuge
- Plate and frame (chamber) press.
- Vacuum filter
Sludge thickening : improved sludge compaction, settling rates and effluent quality.
Air flotation : results in clearer supernatants, increased float solids and greater throughput.
Clarification : increased settling rate, flocs size and improved clarity

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