



AQUARIGHT®
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PRODUCT DATA

PD 199

AQUARIGHT A 6025

DESCRIPTION AND USE

AQUARIGHT A6025 is medium molecular weight anionic flocculant which effectively condition sludge for dewatering operations and water clarification processes.
AQUARIGHT A6025 flocculant is effective conditioning agent for digested and waste activated sludge, various blends of primary and secondary sludge and biological sludge.
AQUARIGHT A6025 is recommended for liquid-solids separation processes.

GENERAL SPECIFICATION

Appearance	:	White Granular
Bulk Density (Compacted) Kg/MT	:	600-800
Solution Viscosity (cps)	1.00%	: 2600
	0.50%	: 1150
	0.20%	: 450
	0.10%	: 130
Particle size distribution (95%)	:	30-40 mesh

TREATMENT AND DOSAGE REQUIREMENTS

For optimum results AQUARIGHT A6025 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.
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, floc size and improved clarity

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