



PRODUCT DATA

PD 145

AQUARIGHT C 492 H

DESCRIPTION AND USE

AQUARIGHT C 492 H is high molecular weight cationic flocculant which effectively condition sludge for dewatering operations and aid water clarification processes.
AQUARIGHT C 492 H flocculant is effective conditioning agent for digested and waste activated sludge, various blends of primary and secondary sludge and biological sludge.
AQUARIGHT C 492 H is recommended for liquid-solids separation processes.

GENERAL SPECIFICATION

Appearance	:	White
Bulk Density (Compacted) gram/liter	:	5 – 7
Solution Viscosity (cps) ³	:	600
	1.00%	: 280
	0.50%	: 100
	0.25%	: 30
	0.10%	:
Particle size distribution (95%)	:	0.15-1.7 mm

TREATMENT AND DOSAGE REQUIREMENTS

For optimum results AQUARIGHT C 492 H 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

Every endeavor has been made to ensure that the information contained in this leaflet is reliable but we cannot accept liability for any loss, injury or damage which may result from its use. Data given in this Material Safety Data Sheet are solely for guidance in safe handling and use of the product(s) by customers; they do not form part of any specification. Customers are reminded that there may be uses or application of our products which are protected by patents under which PT ZEFA VALINDO JAYA have no rights. If any difficulties arise, we shall be glad to discuss them. Before using any product, read its label.