

TECHNICAL DATA SHEET

D67

Dispersion Grade Cationic Flocculant Product #AD105

D67 is a high molecular weight, anionic polyelectrolyte, supplied as a liquid dispersion in light mineral oil. D67 has been designed for ease of handling and dissolves readily in water to produce solutions of high viscosity. D67 exhibits a high cationic charge density.

Principle Uses:

D67 has been designed specifically as a flocculant for waste activated and acrobically digested municipal and industrial waste. It has been proven effective for conditioning these difficult sludges prior to dewatering by centrifugation, belt filter press or vacuum filtration. D67 is also recommended for flotation and gravity solids thickening, and should be investigated for primary and secondary clarification.

Typical Properties:

Appearance	White, free-flowing liquid dispersion
Active solids	50%
Specific Gravity	1.06
pH of 1.0% Solution	3.5-4.5
Apparent Viscosity.....As Supplied	200-500cP(Brookfield, 12rpm, @220°C)
Apparent Viscosity.....1.0% Solution	6,000 cP (Brookfield, 12 rpm, @220°C)

Application & Storage:

Recommended solution concentrations:	Recommended storage periods:
Stock Solution.....0.5-1.0% max.	Stock Solution.....2-5 days
Feed Solution.....0.1-0.5%	As Supplied.....up to 1 year

D67 should be in storage between 10°C and 30°C for maximum stability. *

Shipping & Handling:

D67 is supplied in either 441LB (55GL) net non-returnable steel drums, mini-bulk (300GL) containers, or in bulk.

Solution storage is best in fiberglass or stainless steel tanks. Aluminum and galvanized tanks should not be used.

Pumps and handling equipment may be cleaned out by flushing with kerosene or diesel fuel; do not use water. *



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Health & Safety:

Polymer spills present a potential slip hazard and should be dealt with immediately. Spills of dispersion polymers should be treated with a suitable absorbent such as Speedi-Dry or sand, and removed dry. Spills of dilute solutions may either be treated with absorbent, or flushed with copious amounts of water as appropriate.

This product has a low order of toxicity. Other than adherence to basic industrial protection and hygiene, no special precautions are necessary. It is nevertheless recommended that contact with skin or eyes with D67 be avoided. *

Technical Service:

ADENA TECHNOLOGIES representatives are experienced in solving water and wastewater treatment problems. Please call ADENA TECHNOLOGIES for advice and assistance in performing laboratory tests to select the most cost-effective polymer and to determine the best plant application methods.

Important:

The following supercedes Buyer's documents, SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING OF MERCHANTABILITY FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstance shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with the product. Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled or lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product has not been tested for, and therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.

*Refer to relevant MSDS for additional First Aid, storage and handling information.