

Novus* CE2666

Water Technologies & Solutions fact sheet

- Increases efficiency of sludge dewatering operations
- Improves suspended solids removal operations and effluent quality
- Easily fed liquid emulsion
- Improved patented technology

description and use

Novus CE2666 is a liquid, high molecular weight, cationic emulsion polymer. This product may be used effectively in solid/liquid separation applications and sludge dewatering. It is designed to function in a total SUEZ treatment program.

typical applications

Novus CE2666 is very effective in sludge dewatering operations. Benefits from its use include higher solids capture, drier cake and cleaner effluent.

Decreased effluent suspended solids result when Novus CE2666 is applied as a settling aid in wastewater clarification and thickening systems. A large, fast settling agglomerate forms, producing high quality effluent. Novus CE2666 is especially effective for settling bio-solids in secondary clarifiers, and in thickening and sludge dewatering applications in the organic chemical and refining industries.

treatment and feeding requirements

Prior to initial use, Novus CE2666 should be thoroughly agitated with a drum mixer or recirculating pump for 30-60 minutes to ensure homogeneity.

Remix the polymer for several minutes each day thereafter; bulk system recirculation packs should be operated for 30-60 minutes daily. Avoid water contamination due to either condensation or water droplets (such as rain) in open containers.

Novus CE2666 can be prepared by using either a continuous emulsion make down unit or by a batch system. Batch solutions are prepared as follows: Fill the solution preparation tank to at least 2/3 full with water and ensure submersion of the agitator blade. Begin agitating and slowly add the homogeneous polymer to the solution tank directly into the vortex of the tank solution. Continue to fill the tank with water to achieve a 0.25 to 0.75% solution. Continue to mix for an additional 10 to 20 minutes at low speed (350 rpm) to complete activity development. Note that high-speed agitation should be avoided because it may lead to degradation of the polymer. Transfer the stock solution to a holding tank to provide for continuous polymer supply, further dilution to any convenient concentration before the point of application is possible and may improve activity.

Neat Novus CE2666 can be handled with any appropriately sized gear or diaphragm pump suitable for viscosities up to approximately 2500 cps. Type 304 stainless steel, polyethylene and rigid PVC are satisfactory for tanks, tubing, piping and pumps. Viton and fluorosilicon-type rubbers can be used for pump components and hose linings. Flexible PVC tubing (such as Tygon**), Buna-N*** and Neoprene*** rubber can be used for short-term installations, but may not be satisfactory in permanent applications. Mild steel and copper alloys should only be used if discoloration of the polymer by corrosion products is tolerable.

general properties

Physical properties of Novus CE2666 are provided on the Material Safety Data Sheet (MSDS); a copy of which is available on request.

packaging information

Novus CE2666 is available in a variety of containers and delivery methods. Contact your SUEZ representative for details.

storage

Novus CE2666 should be stored at moderate temperatures (40°F-90°F [4°C-32°C]) and should be protected from freezing. This polymer should also be protected from rapid or repeated changes in temperature, which may lead to condensation within the container.

safety precautions

A Material Safety Data Sheet containing detailed information about this product is available on request.

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