

Technical Data Sheet



PRODUCT: CarboUA - S Type 1

This product (technically named Polydimethyl-Dialkyl-Ammonium Chloride) is cationic chain macromolecular polymer and it can be completely dissolved in water.

PROPERTIES

The polymer body contains strong cationic group radical and activated-adsorbent group radical which can destabilize and flocculate the suspended solids and the negative-charged water soluble matters through electro-neutralization and bridging adsorption. It is very effective in flocculating, decolouring, biocide, and removing organic impurities.

The product enjoys small dosage but can cause big flocs, rapid precipitation and low turbidity residue, and it can also produce smaller amounts of solid waste.

It is adaptable to wide range of pH value, between 0.5 and 14.

This product is of low odour, tasteless and harmless.

APPLICATION METHOD & NOTES

1. When used alone, it should be diluted to the concentration of 0.5% - 0.05% (based on solid content).
2. The dosing spot and the mixing velocity should be carefully decided to guarantee that the chemical can be mixed evenly with the other chemicals without breaking the flocs.
3. It is better to dose the product continuously.
4. This product is packaged in plastic drums with each drum containing 50kg, 200kg, or 1000kg IBC.
5. This product should be sealed and stored in a dry and cool place. In this way, it can be stored for two years without losing its effect.

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General specifications are typical values for this product. Customized product specifications on individual customer's feed stocks can be tailored to insure performance consistency on an individual customer basis. Since the use of our products by others is beyond our control, no guarantee, expressed or implied, is made and no responsibility assumed for the use of this product and product information, or the results obtained there from.

Version Date: June 2011.

GENERAL SPECIFICATIONS

Parameter	Value
Appearance	Clear to light yellow, transparent colloid
Solid content	40%
Ionic nature	Cationic
pH	3 - 6
Viscosity	3000 - 4000 cps
Free monomer	2% maximum

FOOD GRADE CERTIFICATIONS

CarboUA-S Type 1 meets the requirements of the US FDA for sugar processing under certain conditions, and all applicable raw materials meet the requirements of the *Food Chemical Codex*, fourth edition.

KOSHER CERTIFICATION

CarboUA – S Type 1 product is Kosher approved.