

NOVAFLOC ET10

CATIONIC POLYMER LIQUID

1. DESCRIPTION

Novafloc ET10 is a medium charge, very high molecular weight cationic polyacrylamide supplied as a ready to use liquid. It is formulated to obtain maximum results for clarification, sedimentation and dewatering.

2. TYPICAL PROPERTIES

- Ionic Character..... High Cationic
- Viscosity (As received)..... 1500 cps
- pH (10% Solution).....5.0
- recommended use concentration.....5%

There are many basic variables that influence the performance of polymers. The important ones are: ionic character, level of ionic functionality, molecular weight, pH of effluent to be treated, type and content of effluent (heavy metals, oil, grease, algae, etc.).

Wide variations in the nature of industrial waste water treatment processes make it extremely difficult to predict the specific flocculant for each application.

3. HANDLING CHARACTERISTICS

Novafloc ET10 is a very mildly acidic material. Contact with the skin or eyes may cause irritation. Personnel should wear eye protection, rubber gloves and apron when working with **Novafloc ET10**. Tanks used for **Novafloc ET10** should be provided with an adequate exhaust system to protect the workers against irritating airborne contaminants. Material Safety Data Sheets are available upon request from Henkel Australia Pty. Ltd.

4. EQUIPMENT RECOMMENDATIONS

Flocculant solutions are non-corrosive. Equipment used with **Novafloc ET10** may be constructed of mild steel or plastic (polyester, glass fibre, polyethylene, polypropylene, PVC). Transfer pumps may be positive displacement types or low pressure centrifugal pumps.

5. OPERATING INSTRUCTIONS

NOTE: High shear can deteriorate the polymer chains so avoid the use of high speed mixers, disintegrators or centrifugal pumps.

The recommended stock solution should be made up at 5% concentration. More dilute solutions are less viscous and recommended when minimal agitation is available before the settling zone. Higher concentrations are not recommended as they are very viscous and very difficult to make up. Dilute to 0.5% before addition to the waste stream.

Add the **Novafloc ET10** prior to the settling zone with enough agitation to mix in and form a good floc but not excessive enough to shear the floc. Dose rates can range from 1 litre of stock solutions per 10,000 litres of effluent to 1 litre per 1,000 litres. A dose of 30 to 150 mg/lit is used for dewatering sludge with about 15 to 30 minutes of agitation.

6. PACKAGING

Novafloc PC is a clear liquid packaged in 25 litre non-returnable polyethylene drums.

7. STORAGE

Novafloc ET10 should be stored in a cool, dry area away from oxidising materials. Use caution when handling, as product is very slippery.

8. PRECAUTIONS

WARNING : MAY CAUSE EYE AND SKIN IRRITATION

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Provide adequate ventilation.

FIRST AID:

Ingestion: Do not take internally. If swallowed, dilute by drinking large quantities of water or milk. GET MEDICAL ATTENTION IMMEDIATELY.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

Eye Contact: Flush with plenty of water for at least 15 minutes. If irritation occurs, GET MEDICAL ATTENTION.

Skin Contact: Wash skin with mild soap and water. Remove contaminated clothing. If irritation or burns are present, GET MEDICAL ATTENTION.

8. PRECAUTIONS Cont...

KEEP OUT OF REACH OF CHILDREN

ATTENTION: When empty, containers may still be hazardous because of product residue, either liquid, solid or vapour form. All labelled hazard precautions must be observed.

DISCLAIMER

Any information given is, to the best of our knowledge, the best currently available, with respect to our products and their use, but it is subject to revision as additional knowledge and experience is gained. Such information is offered as a guideline for experimentation only and is not to be construed as a representation that the material is suitable for any particular purpose or use. Customers are encouraged to make their own enquiries as to the material's characteristics and, where appropriate, to conduct their own tests in the specific context of the material's intended use. This information is not a license to operate under nor is it intended to suggest infringement of any patent. We guarantee a uniform quality standard for this product. The only conditions and warranties accepted by Henkel in relation to this product or process are those implied by either Commonwealth or State statutes.