

NTPERSE BD-154 is modified sodium poly-acrylate whose molecular weight distributions are optimized for maximum dispersion of many kinds of pigments used in paper manufactures.

NTPERSE BD-154 is as the dispersion of pigments for ceramics and the VISCOSITY Depressant and VISCOSITY stabilizer of proportion pigments. It is the best dispersion effect in PRECIPITATED CALCIUM CARBONATE(PCC), and has good dispersion effect in almost Pigment like as GCC, Clay, TiO₂, ZnO, Al (OH)₂, BaSO₄, and so on. And it has little change of VISCOSITY after leaving alone for a long time.

Also it is possible to use it in widely range from PH 5.5 to 14, it can the VISCOSITY be a little rise over pH 11.

And as the NTPERSE BD-154 has the ANION electric charge, please do not mix with the strong CATION materials like CATION group wetting agent and the fourth grade ammonium salt.

PHYSICAL PROPERTIES

● Solid Contents (%)	:	40.0 ± 1
● pH (at 20°C)	:	8.0 ± 1
● Appearance	:	Light Yellow Clear Liquid
● Solubility	:	Easily mix with WATER
● Stability	:	Six Month

APPLICATION

It is recommended that NTPERSE BD-154 be added to the mixing water prior to the addition of pigment, as only in this way can the high solids content slip is prepared, and the best dispersion achieved in the most efficient manner. All types of mixing equipment can be used.

The normal addition rate of NTPERSE BD-154 is

- For PCC Disperse : within the range 0.3-0.5% on dry
- For Clay Disperse : within the range 0.05-0.1% on dry
- For GCC Disperse : within the range 0.2-0.3% on dry

SPECIAL QUALITIES

- High solids content
- Low viscosity : Easy handle
- Viscosity stability
- Re-aggregation prevented
- Complete compatibility
- Product stability
- Sediments are possible.

HANDLING & STORAGE

- NTPERSE **BD-154** may cause slight skin irritation due to removal of the natural fat of the skin.
- If the product comes in contact with the eye, these must immediately be rinsed with a large amount of water during 15 minutes at least.
- Treat like normal water based emulsion, avoid freezing and keep container when not in use.
- NTPERSE **BD-154** must be stored in a cool place and avoid to direct ray.
- If the containers are kept closed and stored by above condition, its shelf life is about 1Years at 25°C.
- Prolonged storage may induce slight setting of water or increase in viscosity. This is normal and the product will readily re-disperse with moderate stirring. There is no loss in product performance.
- Sediments are possible.

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