

TECHNICAL DATA SHEET

JF Dispersant NNO-A POWDER

1. PRODUCT NAME:

Sodium Salt of Naphthalene Sulfonate Formaldehyde Condensate (Dispersant NNO/ Diffusant NNO) (Synonyms: 2-naphthalenesulfonic acid/ formaldehyde sodium salt, 2-naphthalenesulfonic acid polymer with formaldehyde sodium salt)

2. TYPICAL PROPERTIES:

Dispersant NNO-A	
ITEMS	SPECIFICATIONS
Appearance	Light Brown Powder
Dispersion force	≥95%
pH (1% aq. Solution)	7-9
Na ₂ SO ₄	≤3%
Water	≤9%
Insoluble impurities content	≤0.05%
Ca+Mg content	≤4000ppm

3. USAGE:

1. In dyeing and printing industry, DISPERSANT NNO is used for vat dyes suspension pat dyeing, implicit acid method dyeing, dispersive and solubilised vat dyes dyeing and so on.
2. Used for silk fabrics or wool interwoven fabrics dyeing, and make the silk colorless.
3. In dyeing industry, it's mainly used as dispersing agent during dispersant and lake production, stabilizer for rubber latex, and tanning auxiliary for leather.
4. As auxiliary tanning agent in leather industry, used together with tanning agent (ratio 1:10) to avoid tanning agent stick with leather. Can also help to disperse dye to get a better appearance in color.
5. As dispersant in wettable pesticide and herbicide, the dispersibility and solubility of pesticide can be improved.
6. As dispersant for paper industry. After adding NNO into wood pulp to avoid the stain from the condensation of asphaltum, resin and other material, 0.2%-0.5% of the wood pulp's weight as dosage

is preferable. Can work as precipitator for animal size, 20%-30% of the size's weight as dosage is preferable.

7. As dispersant in rubber industry. Can disperse sulfur, accelerant, anti-aging agent and some filler (like zinc oxide, barium sulphate, calcium carbonate etc). 2%-4% of the dry powder's weight as dosage is preferable. Can make NNO into 10% solution, then grind with others in ball grinder.

8. Also can be used in coating, painting, pigment, carbon black etc.

9. Can be used in color lake industry.

4. DOSAGE:

1. As a dispersed filler of disperse and vat dyes. Dosage is the 0.5~3 times of vat dyes or 1.5~2 times of disperse dyes.

2. For tied dye, dosage of dispersant NNO is 3~5g/L, or 15~20g/L of Dispersant NNO for reduction bath.

3. 0.5~1.5g/L for polyester dyed by dispersed dye in high temperature / high pressure.

4. Used in the dyeing of azoic dyes, dispersant dosage is 2~5g/L, dosage of dispersant NNO is 0.5~2g/L for development bath.

5. PACKING AND STORAGE:

25kg per bag

Should be stored at room temperature in cool place with ventilation. Storage period is two years