**Product name: Dispersant NNO **

Chemical Name: Naphthalene monosulfonic acid formaldehyde condensate

CAS No.: [**36290-04-7**](http://www.offerchems.com/products/catalyst-auxiliary/dispersing-agent-nno-36290-04-7/)

Character and application: Light-brown powder. Easy to dissolve in water of any hardness, negative type perform good at spreading and protecting colloid, no osmotic and foaming. Alkali resistance and inorganic salt resistance. Have affinity for protein and polyamide fiber, have no affinity for cotton, hemp. It can be mixed with anion and non-ionic surfactants. PH (1% aqueous solution) is about 7 ~ 9.

This product is mainly used for the vat dyes in pigment padding process, disperse dyes and soluble vat dyes. It can also be used for thread/wool interweaving, which makes the silk uncolored.

* In dye industry, NNO is mainly used for mixing and dispersing dyes, and as dispersion auxiliary agent in color lake manufacturing. In addition, it can be used as a rubber stabilizer and tanning agent. It can also be **Product Name:** Dispersing agent NNO
* **Synonyms:** Diffusion agent NNO; sodium naphthalene-2-sulfonate formaldehyde (1:1:1); disodium 5-[(7-sulfonatonaphthalen-1-yl)methyl]naphthalene-2-sulfonate; sodium methylenedinaphthalene disulphonate; sodium polynaphthalene sulfonate; sodium salt of polynaphthalene sulphonic acid
* **Molecular Formula:**C21H14O6S2Na2
* **Molecular Weight:**472.4418
* **Appearance:** Light-brown powder
* **Composition:** Naphthalene sulfonate formaldehyde condensate
* **Ion Type:** Negative ion
* **Solubility:** Dispersing agent NNO (CAS 36290-04-7) is easy to dissolve in any hardness of water, anionic type.
* **Stability:** Acid resistance, alkali resistance, heat resistance, hard water resistance, inorganic salt resistance.

The main technical standard:

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| **Item** | **Parameter** |
| Disperse force(standard product),% | 95 |
| PH value(1% water-solution) | 7–9 |
| Sodium sulphate content % ≤ | 8 |
| Insolubles in water % ≤ | 0.05 |
| Content of calcium and magnesium ion, ppm ≤ | 4000 |

Performance of dispersing agent NNO (CAS 36290-04-7)

Non-toxic, non-inflammable, non- explosive. Dispersing agent NNO (CAS 36290-04-7) has good diffusivity and protective colloid property, but has no surface activity like permeation and foaming. It has an affinity for protein and polyamide fiber, and no affinity for cotton, linen and other fibers.

Usage of dispersing agent NNO (CAS 36290-04-7)

1. Dispersing agent NNO mainly works as dispersant in disperse dye, vat dye, reactive dye, acid dye and leather dyestuff. It has good grinding effect, solubility and dispersibility.
2. Dispersing agent NNO (CAS 36290-04-7) can also be used as dispersing agent in textile printing and dyeing and wettable pesticide, paper making dispersant, electroplating additive, water soluble paint, pigment dispersant, water treatment agent, carbon black dispersant, etc.
3. In industry, the dispersing agent NNO (CAS 36290-04-7) is mainly used for vat dyes pigment pad dyeing, leuco acid method dyeing, dyeing of dispersive and soluble vat dyes, and etc.
4. Dispersing agent NNO can also be used for silk, wool interwoven fabric dyeing, so that there is no color on the silk.
5. In the dye industry, dispersing agent NNO (CAS 36290-04-7) is mainly used as diffusion auxiliary, rubber emulsion stabilizer and leather tanning agent in dispersion and lake manufacturing.

used in the paper industry.

**Product name: Dispersant MF**

Chemical Name: [**Sodium poly[(naphthalene formaldehyde)sulfonate]**](http://www.offerchems.com/products/catalyst-auxiliary/dispersing-agent-mf-9084-06-4/)

[**CAS No.: 9084-06-4**](http://www.offerchems.com/products/catalyst-auxiliary/dispersing-agent-mf-9084-06-4/) **(LẤY SP NÀY VIẾT SDS: 1/7/2022)**

Character and application: Brown powder. Soluble in water, negative type ,with excellent diffusion properties, permeability and foaming properties. Resistant to acid,alkali, hard water and inorganic salt. Have affinity for protein and polyamide fiber, have no affinity for cotton, hemp. It can not be mixed with cationic dye or cationic surfactant. PH (1% aqueous solution) is near neutral.

This product is mainly used as dispersant and filler for VAT dyes and disperse dyes. It stays stable at high temperature. It can make the dye bright, the color force increases, the color is even. It can also be used as an early water-reducing agent for concrete.

**Product name: Synthetic sodium lignosulfonate**

Chemical Name: [**Sodium lignosulfonate**](http://www.offerchems.com/products/catalyst-auxiliary/sodium-lignosulphonate-8061-51-6/)

CAS No.: 8061-51-6

Character and application: Brown powder. Soluble in water, anionic type.

[Sodium lignosulfonate uses](http://www.offerchems.com/sodium-lignosulfonate-uses-cas-8061-51-6/): This product is used as dispersants for the disperse dye and VAT dye, with sanding speed, good dispersion, good thermal stability, high strength, right light, is able to meet the requirements of high temperature and high pressure dyeing. The product is hygroscopic and should be kept dry.