
HYDRODIS ADW 3814 N

- Sequestering & Dispersing agent for detergency application

General properties

Composition	mixture of neutralized, phosphonic acids
Appearance	amber-coloured, limpid liquid
Density at 20°C	1.33 g/cm ³
Acid activity	25 %
Dry matter at 105°C	41 %
Phosphorus content as is	6.3 %
Sequestering power	225 mgCaCO ₃ / g
pH of the product as is	7
Solubility in water	mixable at any ratio
Storage:	very good in normal room conditions: at temperatures lower than 0°C crystals may occur; however they can be easily dissolved by brief heating and stirring.
Materials for Storage	mild steel - not suitable inox 316 - suitable polyethylene - suitable

Application:

The recommended amount to be used for industrial formulates is between 10% and 14%. The dosage range is basis the information collected upon application testing in the laboratory and feed back from our Customers.

Example of formulation for industrial dishwashing:

NaOH 50% 20%
Water67%
HYDRODIS ADW 3814 N 12%
Sokalan PA 301% (optional and to be used as an alternative to Sokalan PA40).

Performance:

- Adjusts and inhibits the precipitation of the calcium carbonate.
- Good sequestering power.
- Dispersing action on the inorganic precipitates and soils in solution.
- Acts as a coadjuvant in soils removal.

Ecolabel indications:

1) General data from Detergents Ingredients Database (Version 2007):

- DID list number: 119
- Name of the ingredient : Mix of phosphonic derivates.

2) Biodegradability :

HYDRODIS ADW 3814 N doesn't contain any surfactants and the test for biodegradability of surfactants is not applicable.

3) Products and mixtures restricted or prohibited:

HYDRODIS ADW 3814 N satisfies the criteria as cited in Art. 3 of European Commission regulation no. 2011/382/UE and 2011/383/UE because the listed substances are not used in the manufacturing cycle of HYDRODIS ADW 3814 N.