

AQUACID 106NS



Na₂-DETMP

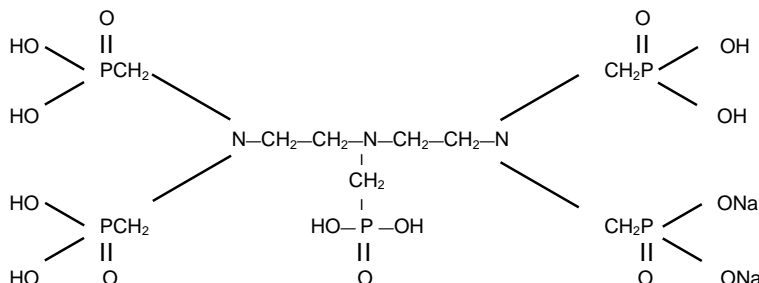
DIETHYLENETRIAMINE PENTA(METHYLENE PHOSPHONIC ACID) SODIUM SALT PARTIALLY NEUTRALIZED

REACH REGISTRATION NUMBER 01-2119514449-36-0003

PRODUCT FEATURES

Aquacid 106NS is certified to NSF's standards for drinking water applications as a scale inhibitor. Aquacid 106NS is an excellent inhibitor for CaCO₃ and CaSO₄ scales. It functions by threshold effect mechanism and is also an excellent chelating agent for heavy metals. Aquacid 106 NS is manufactured at our fully automated Mahad facility to exacting standards.

STRUCTURE



SPECIFICATIONS

Chemical Name	: Diethylenetriamine penta(methylene phosphonic acid) sodium salt partially neutralized
CAS No	: 22042-96-2
EC No.	: 244-751-4
Molecular Weight	: 617 approx.
Appearance	: Amber Coloured clear solution
Active Content	: 48.5- 52.7% (as Na ₂ DETMP)
Active Content	: 47 ± 2 % (as acid)
Specific gravity @ 25° C	: 1.41-1.45
pH (1% solution)	: 2 – 3
Chlorides as HCl	: < 5 %
Iron Content (ppm)	: < 20
Solubility	: Soluble in water
(These are typical values and not specifications)	

MAJOR APPLICATIONS

- Reverse osmosis anti-scalant formulations.
- Thermal desalination anti-scalant formulations.

HANDLING PRECAUTIONS

Care should be taken to avoid contact of the product with Skin and eyes. Goggles and rubber gloves should be used at all times while handling it. Please refer MSDS for detailed information.

PACKING

65 kg HDPE Carboys, 275 kg barrels and 1250 kg IBCs