

AQUACID 1054P

Na₄HEDP powder

TETRA SODIUM SALT OF 1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONIC ACID

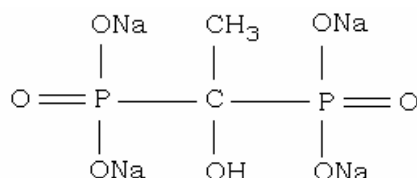
REACH REGISTRATION NUMBER 01-2119510382-52-0003

PRODUCT FEATURES

Aquacid 1054PG is an organophosphonate with multifunctional properties like sequestration, deflocculation, threshold inhibition and hydrolytic stability, as a single active ingredient. It is a free flowing, low dust product highly suitable for manufacture of detergent tablets, powders and various industrial & institutional cleaners.

It is used widely in detergents, I&I cleaners as a co-builder to control adverse effects of hardness salts and iron on cleaning performance. Its high threshold effect properties are useful in various water treatment applications.

STRUCTURE



SPECIFICATIONS

Chemical Name	: Tetra sodium salt of 1-Hydroxyethylidene-1, 1-diphosphonic acid
CAS No	: 29329-71-3
EC No.	: 249-559-4
Molecular Weight	: 294
Appearance	: White free flowing granulate
Odour	: Typical
Assay % (as acid)	: 57 - 62 %
Assay % (as salt)	: 85 % (approx.)
Moisture content	: 7 - 11 %
Bulk Density (Tapped)	: 650 – 950 kg/m ³
pH (1% solution)	: 11 – 12
Iron Content	: Less than 35 ppm
GRANULOMETRY	
Mean particle size	: 100-300 microns
(These are typical values and not specifications)	

MAJOR APPLICATIONS

Aquacid 1054P is used widely in following applications for scale control and metal ion chelation:

- Household laundry detergents, automatic dish wash products, I&I cleaners.
- Boiler water treatment formulations, pool stain prevention.
- Textile & leather auxiliaries.
- Metal pre-treatment formulations.

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Aquapharm Chemicals Pvt. Limited

BENEFITS

- Reduced dosage due to higher hardness sequestering value.
- Reduced cost of formulations.
- Suitable for high temperature & pH conditions.
- Controls scaling at threshold levels.
- Prevents heavy metal induced problems in a variety of applications.
- Low dusting during handling.

HANDLING PRECAUTIONS

Provide due attention and observe safety precautions while handling the product. Use hand gloves, face shield, & goggles while handling this material. Have eye wash facility immediately available at any location where eye contact can occur. Please refer MSDS for detailed information.

PACKING

25 kg fiber drum, 25 kg paper bags and 825 kg super sacks