

AQUACID 1054PG

Na₄HEDP granular powder

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

REACH REGISTRATION NUMBER 01-2119510382-52-0003

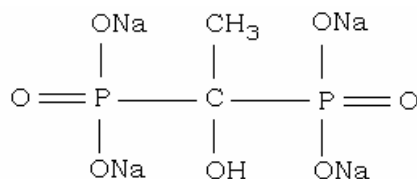
PRODUCT FEATURES

Aquacid 1054PG is an organophosphonate with multifunctional properties like sequestration, deflocculation, threshold inhibition and hydrolytic stability, as a single active ingredient. It is a granulated, 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.

Aquacid 1054PG has high particle size to minimize dusting during handling

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)	:	56 - 62 %
Assay % (as salt)	:	79.9 – 88.5 %
Moisture content	:	13 % max
Bulk Density (Tapped)	:	700 – 900 kg/m ³
pH (1% solution)	:	11 – 12
Arsenic Content	:	3 ppm max
GRANULOMETRY		
Mean particle size	:	500-800 microns
Less than 180 micron	:	10 % max
Greater than 1180 micron	:	10 % max
Greater than 2000 micron	:	2 % max
(These are typical values and not specifications)		

9th&10th Floor, Amar Synergy
12B, Sadhu Vaswani Road
Pune 411 001, India

Tel. : +91 20 6609 0000
Fax : +91 20 2605 3396
E-mail : intlsales@aquapharm.net

Aquapharm Chemicals Pvt. Limited

MAJOR APPLICATIONS

Aquacid 1054PG 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.

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

1000 kg super sacks and 25 kg paper bags.