

# Nouryon

## Aquatreat® AR 708

Cost-effective calcium carbonate inhibitor and dispersant for industrial water systems

AQUATREAT AR 708 phosphinocarboxylic acid is a multifunctional additive specially designed to enhance industrial water treatment systems by providing dispersancy and inhibiting calcium carbonate scale formation.

### Benefits

AQUATREAT AR 708 phosphinocarboxylic acid:

- Provides calcium carbonate, barium sulfate, silicate and iron oxide dispersancy
- Offers superior control of barium sulfate scales (BaSO<sub>4</sub>)
- Is FDA approved for use in applications where steam may contact food – FDA 21 CFR 173.310

### Applications

AQUATREAT AR 708 phosphinocarboxylic acid can be used in a variety of formulations aimed at enhancing performance of:

- Cooling towers
- Boiler systems
- Food plants
- Oilfield

### Technical property

### Typical values

|                       |  |
|-----------------------|--|
| Solid content         | 47 – 53%                                       |
| pH                    | 3.5 – 4.5                                      |
| Residual acrylic acid | <0.1%  |
| Specific gravity      | 1.20 – 1.28                                    |
| Appearance            | Pale, colorless to yellow liquid               |
| Freezing point        | -1°C to -3°C                                   |
| Flash point           | 100°C to 103°C                                 |
| Solubility            | Soluble in water, ethylene glycol, in 50% NaOH |

### Usage

Typical use levels are 10-50 ppm active polymer. The exact end use level depends upon the specific application conditions for which the polymer is used.

### Packaging / weight


AQUATREAT AR 708 phosphinocarboxylic acid is supplied in:

- 525-pound drums
- 2750-pound IBC

### Storage and handling

For complete information on how to handle and store AQUATREAT AR 708 phosphinocarboxylic acid, please request a product Safety Data Sheet by contacting Nouryon customer service in North America at 1-800-906-9977.





Contact us directly for detailed product information  
and sample requests.

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We are a global specialty chemicals leader. Markets worldwide rely on our essential chemistry in the manufacture of everyday products such as paper, plastics, building materials, food, pharmaceuticals, and personal care items. Building on our nearly 400-year history, the dedication of our 10,000 employees, and our shared commitment to business growth, strong financial performance, safety, sustainability, and innovation, we have established a world-class business and built strong partnerships with our customers. We operate in over 80 countries around the world and our portfolio of industry-leading brands includes Eka, Dissolvine, Trigonox, and Berol.

For more information visit [surfacechemistry.nouryon.com](https://surfacechemistry.nouryon.com)

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