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## Product Specification hydroxy phosphonic acetic acid CAS No. : 23783-26-8



**Chemical name :** hydroxy phosphonic acetic acid

**chemical name :** HPAA

**Appearance :** brown liquid

**HPAA :** min 50 %

**phosphorous acid :**  $\text{HP O}_3$  : max 3,0 %

**Moisture :** ca 50 %

**Density :** 1,32-1,42

**Packing :** drums, containers

**ADR :** KI 8 Verpackungsgruppe III, (E)

**UN-No. :** 3265

**CAS No. :** 23783-26-8

**WGK :** 1 schwach wassergefährdend

**General informations :** 2-Hydroxyphosphonoacetic acid is an organic phosphonate/phosphonic acid active ingredient that is usually listed in public sources as hydroxyphosphonoacetic acid, 2-hydroxyphosphonoacetic acid, or HPAA. For the commercially used product, sources list CAS number 23783-26-8; at the same time, there are name variants and confusions with phosphonoacetic acid (CAS 4408-78-0), which is a different product.

**Application :** Chemical for general technical applications.

The substance is described in manufacturer and technical sources predominantly as a chemical for water treatment, in particular as a corrosion and scale inhibitor.

Areas of application include cooling water treatment, industrial water treatment, as well as oilfield and well water systems. In addition, it is used as a corrosion inhibitor for metallic materials.

In the technical literature and in patents, the substance is referred to as an organic phosphonic acid inhibitor for aqueous systems.

Known alternatives

The following substances appear in the sources as commonly cited comparison or alternative materials in water treatment and corrosion inhibition:

HEDP (1-Hydroxyethane-1,1-diphosphonic acid)

ATMP

EDTMP

PBTC / 2-phosphonobutane-1,2,4-tricarboxylic acid

Molybdate or molybdate-containing systems

**Label :** C Ätzend

**Product categories :** Provisions,

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This data is only for your information purposes and does not imply a guarantee for a certain application.