

## HALAMID® PG

Universal disinfectant listed in pharmacopoeias

AXC.42.04

### General Information

Halamid® PG is a universal disinfectant, listed in the various international pharmacopoeia directories.

### Description and Application

Halamid® PG is widely used as a germicide in sanitary practices. Halamid® PG is already effective at very low dosage (0.01%) against bacteria (Gram + and Gram -), viruses (naked as well as enveloped) and fungi. Since no microorganism is able to build resistance against Halamid® PG, it can be used for an indefinite period of time.

It can be used in a wide range of temperatures.

Halamid® PG is safe to handle in either powder form or when dissolved in water. Halamid® PG is safe to nature as it is readily biodegradable. The shelf life of Halamid® PG is 2 years.

Halamid® PG is listed in the various international pharmacopoeia directories. It can be used as a universal, readily biodegradable disinfectant in applications that require pharmacopoeia standards, like cleanrooms, medical devices or pharmaceutical installations.

### Mode of Action

Halamid® PG works via an oxidizing mechanism. If dissolved in water Halamid® PG ionises. In this way chlorine is slowly released which will destruct cell walls of microbes. There is no chance of creating resistance or adaptation. The high stability of the ion gives Halamid® PG a kind of "reservoir capacity", so its activity is not spent at once but remains present over a longer period.

### GMP

Halamid® PG is produced at a site used to Good Manufacturing Practice Rules. Its manufacture is ISO 9001 certified and meets most requirements of international pharmacopoeias.

### Specifications

Active content:	98.0 - 103%
Turbidity *):	≤ 5 FTU
Colour *):	≤ 25 Pt/Co
pH:	8.0 - 10.0
Ethanol insoluble:	≤ 1.5%
Ortho compound **):	≤ 0.5%
EP identification test:	Passes

\*) 5% solution in water

\*\*\*) An ortho content of 0.5 % corresponds with a crystallisation point of the corresponding amide of ≥ 136.5 °C.

### Physical Properties

Density:	540-680 kg/m <sup>3</sup>
Appearance:	white crystalline powder
Flash point (dosed cup):	192°C
Solubility in water:	150 g/l (25°C)

### Toxicological information

Acute toxicity (oral):	LD50 rat > 1000 mg/kg
Acute toxicity (fish):	96h-LC50 >31 mg/l
Acute toxicity (Daphnia):	48h-EC50 > 4.5 mg/l
Genotoxicity (Amestest):	not mutagenic
Biodegradation:	readily biodegradable

### Packaging

- 25 kg polyethylene drums, 24 on a pallet.

### Storage

Store in a cool dry place. Do not store in direct sun light. Opened packaging must be closed properly.

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