

## Technical Data Sheet MEDIPRO SHIELD

<b>Product Name</b>	MEDIPRO SHIELD
<b>Product Type</b>	Chlorine-based Disinfectant Granules
<b>Product Description</b>	Medipro Shield is a chlorine-based disinfectant in granular form for institutional surface disinfection in healthcare environments. Releases active chlorine when dissolved in water.
<b>Chemical Name</b>	Calcium Hypochlorite
<b>Molecular Formula</b>	Ca(OCl) <sub>2</sub>
<b>Appearance</b>	White granular solid
<b>Odour</b>	Chlorine
<b>Bulk Density</b>	0.80 g/mL (average, loose)
<b>Water Solubility</b>	21 g/100 mL water (@25°C) <i>Product also contains calcium hydroxide and calcium carbonate which will leave a residue.</i>
<b>pH</b>	10.5 – 11 (5% solution in neutral, distilled water @25°C)
<b>Shelf Life</b>	12 months from date of manufacture, when stored as directed.

*Manufactured in an NSF/ANSI/CAN 60 certified facility.*

### Composition

<b>Available Chlorine</b>	≥ 68 % w/w
<b>Calcium Hypochlorite</b>	≥ 70 % w/w
<b>Water</b>	5.5 – 8.5 % w/w

### Particle Size (U.S. Standard Sieve)

<b>Granular size ASTM 14</b>	96% min
<b>Granular size ASTM 100</b>	4% max

### Applications

- Institutional surface disinfection
- Hospital floor sanitation
- Toilets and drainage area disinfection
- Blood and body-fluid spill sanitation
- Environmental surface sanitation

### Directions for Use

<b>Dosage</b>	15 g per 10 L of clean water for general surfaces. <i>For toilets, ICU and high-touch areas, refer to the product Dosing Chart.</i>
<b>Contact Time</b>	Minimum 10 minutes

### Safety Note:

Read the Safety Data Sheet (SDS) for special handling information.