

ENDURO HYPO

Product definition and application

Highly alkaline, hypochlorite-containing detergent suitable for removal of protein, fat and carbohydrate-containing soil in the food industry. Creates a foam gel film with very good adhesion after application.

User instructions

Use foam nozzle upon application. Adjust the air pressure in the application equipment to approximately 3,7 bar to ensure proper foam quality. Dosage in foam systems: 3 – 6 % depending on the soil type.

1. Remove all visible soil.
2. Apply foam on all relevant surfaces and leave on for 6-8 minutes before you start rinsing. When cleaning vertical surfaces, apply from the bottom and up. Avoid the foam gel drying on the surfaces.
3. Rinse well with clean water.

Product properties

Solubility:	Completely soluble
Density:	ca. 1,21 kg/l
pH:	>13,5 (conc.), ca. 12 (1 % solution)
Reactivity:	When mixed with acid or ammonia-containing products, irritating and toxic gases develop. Corrodes light metals under formation of hydrogen gas, which can form an explosive mixture with air.
Corrosion:	Stainless steel is not affected. May cause corrosion on aluminum, light metals, and galvanized surfaces.

Storing conditions and durability

Recommended storage temperature is approximately 20° and the product must not be stored at temperatures below 4°C. The product should also not be stored between 4-15°C for longer than 1 day! This can cause problems with precipitation in the product. Heat and sunlight will reduce the level of available chlorine. Should be used within 1 year of production. Products that are stored for a long time or that have been exposed to heat and sunlight will have a reduced effect.



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Test method

Reagents:

0,1 N Hydrochloric acid
50 % Sodium thiosulfate solution
Thymol blue indicator

Procedure:

Add 5 drops of thiosulfate solution to 20 ml solution, mix well and leave it for approximately 30 seconds. Add 2-3 drops of the indicator solution and titrate with the acid until the color changes from blue to yellow end point.

Calculation:

% w/w EnduroHypo = ml hydrochloric acid x 0,288

Typical conductivity values:

EnduroHypo [% w/w]	Conductivity at 25 °C [mS/cm]
1	6,0
2	11,9
3	17,5
4	23,1
5	28,5
6	34,0