

JohnsonDiversey Hypogel

Chlorinated high retention gel cleaner

VG8

Description

Hypogel is an alkaline chlorinated gel cleaner designed for daily use in heavy-duty cleaning applications in the food, beverage and dairy industries.

Key properties

Hypogel is based on alkalis, sequestrants, hypochlorite and a blend of wetting agents and emulsifiers. On dilution with water, a “thixotropic” gel is formed which adheres strongly to surfaces and so increases the contact time available for penetration of stubborn soils. The product can easily be rinsed away using a minimum amount of water without leaving any “sticky” residues on the surface.

Hypogel is particularly suited to daily cleaning applications where heavy protein soiling is encountered.

Hypogel can be applied as an aerated gel (foamgel) or as a conventional gel and is suitable for use with a wide range of application equipment.

Benefits

- Highly effective for removing blood and heavy protein soiling
- Thixotropic gel provides for maximum contact time on surfaces
- Application as foamgel assists with visibility
- Free rinsing, easy to remove from plant surfaces after use

Use instructions

Use **Hypogel** at concentrations between 4-10% v/v, dependent on the type and degree of soiling. For specific details please refer to individual method cards.

Technical data

Appearance	clear, pale yellow liquid
Relative Density at 20°C	1.14
pH (1% solution at 20°C)	12.0
Chemical Oxygen Demand (COD)	279 gO ₂ /kg
Nitrogen Content (N)	1.8 g/kg
Phosphorous Content (P)	1.3 g/kg

The above data is typical of normal production and should not be taken as a specification.

Safe handling and storage information

Store in original closed containers away from sunlight and extreme temperatures. Keep away from acids. Full guidance on the handling and disposal of this product is provided in a separate Material Safety Data Sheet.

Product compatibility

Hypogel when applied at the recommended concentration and temperature is suitable for use on the grades of stainless steel commonly found in the processed food industry. It is unsuitable for use on soft metals such as aluminium and galvanised materials. Always rinse surfaces thoroughly after use (within 1 hour).

In the event of uncertainty it is advisable to evaluate individual materials before any prolonged use.

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Test method

Reagents: 0.1N Hydrochloric or sulphuric acid
0.1N Sodium thiosulphate
Phenolphthalein indicator

Procedure: Add 100ml of water and 10ml of 0.1N sodium thiosulphate to 10ml of the test solution, mix well and allow to stand for about 30 seconds, add 2-3 drops of the indicator solution and titrate with the acid to a colourless end point.

Calculation: % v/v **Hypogel** = titre (mls) x 0.456
% w/v **Hypogel** = titre (ml) x 0.52
% w/w **Hypogel** = titre (ml) x 0.52

Available pack sizes

Article code	Pack size
5600055	20L
5600112	200L