

JohnsonDiversey Enduro HD

General Purpose Self Foaming Extended Contact Cleaner

Description

Enduro HD is a liquid general-purpose, extended contact alkaline cleaner designed for daily environmental cleaning in a wide range of heavy-duty cleaning applications in the food, beverage and dairy industries.

Key properties

Enduro HD is a liquid heavy duty, extended contact, alkaline cleaner based on an effective blend of caustic alkali, organic sequestrant, wetting agents and emulsifiers. **Enduro HD** is a completely new “extended contact” technology. When applied, **Enduro HD** clings to vertical surfaces to provide extended contact time and excellent penetration of stubborn soils. On dilution with water a “thixotropic” gel is formed which adheres strongly to surfaces and so increases the contact time for penetration of heavy soils. The product can be easily rinsed away using a minimum amount of water without leaving any “sticky” residues on the surface.

Enduro HD is particularly suited to daily cleaning applications where heavy soiling is encountered, such as abattoirs, poultry processors, fish and vegetable processing plant.

Enduro HD 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

- Effective on heavy soiling including fats, starch and proteins
- Can be applied onto heated surfaces
- Daily use helps prevent scale build-up
- 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 **Enduro HD** 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 amber/yellow liquid
Relative Density at 20°C:	1.12
pH (1% solution at 20°C):	12.0
Chemical Oxygen Demand (COD):	297gO ₂ /Kg
Nitrogen Content (N):	4.2 g/Kg
Phosphorous Content (P):	0.3%

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 extremes of temperatures. Full guidance on the handling and disposal of this product is provided in a separate Material Safety Data Sheet.

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Product compatibility

Enduro HD 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.

Test method

Reagents: 0.1N Hydrochloric or sulphuric acid Phenolphthalein indicator
Procedure: Add 100ml of water and 2-3 drops of indicator solution to 10ml of the test solution. Titrate with the acid to a colourless end point.
Calculation: % v/v **Enduro HD** = titre (ml)x0.40
% w/v **Enduro HD** = titre (ml)x0.45
% w/w **Enduro HD** = titre(ml)x0.45