

# JohnsonDiversey HD141

## General Purpose Heavy Duty Detergent

### Description

**HD141** is a pink alkaline liquid formulated for use as a general purpose heavy duty Detergent.

### Key properties

Unlike most alkaline detergents **HD141** does not deactivate Quaternary Ammonium disinfectants and is therefore suitable for two-stage cleaning and disinfection process even when the inter-stage rinsing is incomplete. A blend of alkali, solubiliser and surfactant makes **HD141** particularly suitable for cleaning wall, floors, process equipment and other hard surfaces encountered in food preparation areas.

### Benefits

**HD141** contains a sequestrant to inhibit scale formation and optimise detergency in hard water areas.

**HD141** can be applied through ring mains, portable pressure washers, floor scrubbing machines or manually by brushes etc.

### Use instructions

**HD141** is recommended for use as a general purpose heavy duty liquid detergent for hard surface cleaning and is particularly effective against fatty soiling. Typical applications include cleaning walls, floors, tiles, process plant, conveyors, tables and vehicle interiors. **HD141** can be applied through ring mains, pressure washers, floor scrubbing machines or manually. A concentration in the range 2.0-10.0% w/w (20-100ml/L) should be used depending on the degree of soiling and the method of application. When used at temperatures up to 45°C (hand hot) **HD141** will provide a moderate degree of detergent foam but used at higher temperatures (up to 80°C) **HD141** is low foaming, making it particularly suitable for steam cleaners and floor scrubbing machines.

### Technical data

Appearance	A clear pink liquid of low viscosity
Nonionic surfactants	5-10%
Cationic surfactants	Less than 5%
Specific gravity	(10°C) 1.04
Total alkalinity	(%w/w Na2O): 2.0
pH (1% Aq sol)	11.5
Freezing point	0°C

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

### Safe handling and storage information

**Storage** Store in original container. Keep tightly closed when not in use. Store above 0°C.

**Shelf life** Not less than two years under prescribed storage conditions.

**Safe handling** Under recommended conditions of use **HD141** is compatible with most surfaces encountered in the food and beverage industries. Undiluted product should not be allowed to come into contact with aluminium, tin, zinc, and their alloys.

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### Test method

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Titrate a 50ml sample of detergent solution against N/10 hydrochloric acid in the presence of BDH 4.5 indicator to agrey/pink end point.

### calculation

Concentration of **HD141** (5 w/w) = Titre (ml) x 0.31 Optimum control of product concentration is achieved by the use of Venturi injector or similar proportioning device.

### Available pack sizes

Please contact you local representative for pack sizes.

	Country Specific Changes
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