



# Virudet<sup>®</sup> N Manual

## A neutral medium-foam cleaner for manual cleaning applications Technical Information

### Description & Application:

Virudet N Manual is for use in manual cleaning applications, with or without ultrasonic agitation, and is a direct replacement for enzymatic cleaners.

Virudet N Manual is not intended for use in washer/disinfectors or AER (Automated Endoscope Reprocessor) and other automated decontamination systems, for which Amity recommend use of Virudet N product.

Virudet N Manual is a neutral, concentrated detergent with a wide material compatibility which gently removes blood, proteins, mucus and tissue residues.

This chemistry has been specially developed as a replacement for enzymatic cleaners for the gentle cleaning of delicate medical devices made of different materials.

Primary features attributable to Virudet N Manual are:

- Neutral medium-foam detergent cleaner;
- Suitable for manual cleaning and removal of contaminants from sensitive instrument materials ;
- Uses a blend of complexing and sequestering agents, detergents and corrosion inhibitors that are effective in hard and soft water areas;
- Excellent material compatibility;
- Cost effective – improved staff productivity, more flexible;
- Can be used with tap water (saves DI/RO water cost)
- Replacement for enzymatic cleaners which may cause health concerns

---

### Applications

Virudet N Manual is ideal as a manual or ultrasonic cleaner for cleaning of medical devices.

---

### Compatibility

Virudet N Manual is a neutral cleaner with a broad material compatibility.

However, if there are any concerns then parts should be tested for compatibility prior to processing.



Certificate No. GB06/69741



Certificate No. GB06/69740



**Infection  
Controlled**

## Health and Safety

Virudet N Manual is biodegradable.

The product is classed as Corrosive to eyes but is non-hazardous in diluted form. Contact with skin and eyes should be avoided with both concentrate and dilute products.

See Safety Data Sheets for details.

## Typical Properties

Appearance	Clear colourless to pale brown liquid
Odour	Odourless to slight detergent
pH,	8.2 units (neat solution) 7.3 units (1% solution)
Density, g/cm <sup>3</sup> @ 20 °C	1.02 (neat)
Solubility in water	Complete
Flash Point (Abel closed cup)	None

Shelf Life: Concentrate – Not less than 3 years in unopened original containers when stored between 5 °C and 25 °C out of direct sunlight.

## Directions for Use

### **For Manual Cleaning of instruments and equipment:**

#### **Dilution:**

Virudet N Manual is supplied as a concentrated product and should be diluted prior to use.

For cleaning applications, dilute 1 part Virudet N Manual in 200 parts water (i.e. a 0.5% solution; 5ml/L).

For difficult or heavily soiled articles the strength may be increased up to 1 part in 25 parts water (40ml/L)

#### **Operation:**

Soak parts for between 5 and 15 minutes in the diluted Virudet N Manual solution at between 30°C to 45°C.

Allow longer times up to 15 minutes when dealing with dried on proteinaceous deposits.

#### **Note:**

soak times may vary according to the temperature used and the nature of the contaminants.

Where necessary manually clean any recesses and channels using a stiff brush to assist the cleaner in debris removal

After soaking, rinse off thoroughly with clean water (temperature > 40°C) or transfer to the next cleaning stage e.g. disinfection, washer/disinfector or ultrasonic equipment.

#### **General Notes:**

Virudet N Manual is not a disinfectant and parts should proceed to disinfection or sterilisation by appropriate methods immediately following cleaning.

For maximum effectiveness in soaking and ultrasonic applications, the Virudet N Manual solution should be replaced at least daily or when the observed cleaning action falls off.

In sensitive substrate cleaning applications the final rinse may benefit from the use of deionised or Reverse Osmosis water

Do not add non recommended cleaning agents to the Virudet N Manual solution as they can seriously impair performance of the cleaner.

## **CONTACT DETAILS:**

### For UK and Rest of the World:

Amity International,  
Libra House, West Street  
Worsbrough Dale,  
BARNSELY  
S YORKS, S70 5PG,  
ENGLAND

Tel: +44 (0) 1226 770787  
Fax: +44 (0) 1226 291936

**E-mail:** [sales@amityinternational.com](mailto:sales@amityinternational.com)  
**Web site:** [www.amityinternational.com](http://www.amityinternational.com)

### For North America:

Amity International,  
PO Box 5254,  
1704 Denver Road,  
ANDERSON,  
SOUTH CAROLINA,  
SC29623, USA.

Tel: 864 622 2233  
Fax: 864 622 2234

For any further information, please contact your distributor or Amity.

In the event of any technical queries, please contact:  
Mr. Ram Singh at the UK/ROW address or by e-mail to:

[rsingh@amityinternational.com](mailto:rsingh@amityinternational.com)

---

## **Packaging Details:**

Virudet N Manual is available in the following packaging.

- 5 L container
- 10 L container
- 25 L container (available on request)