

# Multi-Acid™

## Blended acid CIP detergent/descaler



Combines the benefits of blended Nitric and Phosphoric Acids, giving a synergistic action.

Provides a rapid and effective scale removal.

Non-foaming, economical night wash.

- Suitable for use in regular and robotic milking plants, single or multi-stage CIP processes and ABW plants.

### ALTERNATING ALKALI-ACID CLEANING OF MILKING PLANT:

Following hot alkaline cleaning for the morning wash, Multi-Acid™ may be used cold for the night wash at a concentration of 0.25-1.00% v/v (0.25-1.0 litres per 100 litres).

### ACID BOILING WATER (ABW) CLEANING OF MILKING PLANT:

Multi-Acid™ may be used in ABW systems according to the following table.

Milking Points	10	12	14	16	18	20
Volume in Circuit	160 L	190 L	225 L	255 L	285 L	320 L
Volume of Multi-Acid™ required per litre of stock solution	190 ml	220 ml	265 ml	300 ml	335 ml	375 ml

### SCALE REMOVAL AND CONTROL:

Multi-Acid™ is recommended for removal of milkstone and other tenacious scales from milking plant and utensils. It should be used at a concentration of 1.0-4.0% v/v (1.0-4.0 litres per 100 litres) at ambient temperature to 60°C. Scale removal is faster at high temperature. Circulate a solution at the above concentration for 5-10 minutes before discharging to waste, followed by thorough rinsing to remove residues.

### IN-PLACE CLEANING OF DAIRY PLANTS:

Multi-Acid™ may be used in two stage in-place cleaning programmes, following treatment with an appropriate alkaline detergent, at a concentration of 0.2-1.0% v/v (0.2-1.0 litres per 100 litres) and ambient temperature to 60°C. It may also be used in acidified rinse CIP systems for cleaning of raw milk silos and lines.

**To prevent contamination of milk by residues of chemicals, after treatment of equipment with the product, and before the equipment is used again it must be thoroughly rinsed with clean water.**

#### 25l Order Code: R076KEV

Pack: 25 litre (29.04 kg)  
Pallet: 32 Each

#### 200l Order Code: R076NEV

Pack: 200 litre (232.62 kg)  
Pallet: 4 Each

#### 1000l Order Code: R076SEV

Pack: 1000 litre (1184 kg)  
Each

#### PRODUCT INFORMATION:

Appearance: Colourless clear liquid  
Odour: Sharp odour of Nitric Acid  
pH - undiluted: 1.0  
Shelf life: 3 years

COMPOSITION: Contains a blend of phosphoric acid and nitric acid.

#### BIODEGRADABILITY:

All surfactants used in Evans Vanodine products comply with relevant UK and EU Regulations concerning biodegradability and protection of the environment.

QUALITY ASSURANCE: This product is manufactured in the U.K. by EVANS VANODINE INTERNATIONAL PLC under an ISO 9001 Quality Management System Cert. No. FM 09535 and an ISO 14001 Environmental Management System Cert. No. EMS 506072 registered by the British Standards Institution.

#### REVISION DATE:

21/06/22



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