

Dairy Chem Acid Powder 103

Powdered milkstone remover

RS-103

Dairy Chem Acid powder RS-103 is a low foaming high strength powdered acid cleaner designed for the removal of mineral soils from stainless steel food processing equipment. Dairy Chem Acid powder 103-A finds general application in the dairying industry for the removal of milk stone and hard water deposits from vaccreators, evaporators, plate heat exchanges, vats, tankers and pipe lines by circulation or spray cleaning.

BENEFITS

- Removes solids quickly.
- Completely safe on 304 and 316 stainless steel.
- Not affected by hard water.
- Freely rinsable - no residual streaks or deposits.
- Completely soluble.
- Low foaming - prevents pump cavitation.

METHOD OF USE

Pipelines

Concentration: 0.5 - 1.0%
Temperature: 70-80c
Method: Circulate
Frequency: Weekly-following the alkaline clean

Tankers/Vats

Concentration: 0.5-1.0%
Temperature: 70-80c
Method: C.I.P Spray— following the alkaline clean
Frequency: Weekly-following the alkaline clean

Plate Coolers:

Concentration: 0.5-1.0%
Temperature: 70-80c
Method: Circulate
Frequency: Bi-Weekly following the alkaline clean

Plate Pasteurisers & hot milk lines

Concentration: 0.5-1.0%
Temperature: 70-80c
Method: Circulate
Frequency: Daily- preceding the alkaline clean

Evaporators:

Concentration: 1-2%
Temperature: 80-90c
Method: Circulate
Frequency: As needed following the alkaline clean.

SAFETY PRECAUTIONS

This substance is corrosive to tissue. Keep out of mouth. Avoid contact with skin and eyes and avoid breathing its vapour. Wear protective clothing and eye shield.

FIRST AID:

If contacted in the eyes wash thoroughly with clean cold water for at least 15minutes. Get medical attention.

If contacted on skin remove any contaminated clothing and wash skin thoroughly with water.

If poisoning occurs contact a doctor or Poisons Information Centre.action is essential

If swallowed do NOT deliberately induce vomiting. If patient is fully conscious give several glasses of water or milk. Repeat if vomiting occurs. If patient is not fully conscious do not give anything by mouth. Get urgent medical treatment for corrosive acid.

Test procedure for Dairy

Acid RS-1 03

Take 5ml sample and small measuring cylinder)

Pour into 100ml flask.

Add 2-3 drops methyl orange indicator.

Colour should be pink.

Add I.M sodium hydroxide drop wise until colour changes to green.

Record the number of drops.

Calculation.

% Acid = $\frac{\text{Number of drops}}{10} \times 0.1 \%$

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