

# KLENZ 2

Caustic soda based CIP detergent with antifoam system

## DESCRIPTION & APPLICATION

**KLENZ 2** is a de-foamed caustic detergent specially formulated for the CIP/ circulation cleaning of processing vessels and has many applications throughout the dairy, food, brewing and soft-drinks industries.

**KLENZ 2** is ideally suited for the breaking-down and removal of organic matter, fats and greases, where Klenz 2's antifoaming surfactant system will help control any soaps and surface-active derivatives formed, especially in situations with high mechanical action e.g. CIP (Cleaning In Place) systems.

**KLENZ 2** is best circulated at temperature: the reason for this is that speeds of clean are increased (with the melting of fats and grease) and **KLENZ 2**'s antifoaming system is at its most efficient (>40°C). However even at low temperatures the foam level is only low and readily collapses. **KLENZ 2** is suitable for use in all water hardnesses.

## USE INSTRUCTIONS

### CIP/Circulation systems

e.g.: FVs; raw and finished milk tanks; bottlewashers

Use **KLENZ 2** at 1 - 3%v/v, depending on water hardness and caustic level required, temperature 10 - 80°C.

1% v/v **Klenz 2** = 0.40% w/w NaOH

## PRODUCT CHARACTERISTICS

Composition	Contains sodium hydroxide, a special blend of de-foaming surfactants and a threshold sequestering system.
Appearance	Opalescent liquid
Colour	Off White
pH (1% v/v)	>13
Specific Gravity	1.34
Solubility	Soluble in water
Freezing Point	0 - 5°C
Nitrogen (N) content	0.5 g/kg
Phosphorus (P) content	1 g/kg
COD	30 g/kg



## MATERIALS COMPATIBILITY

**KLENZ 2** can be used on materials commonly used within the food industry, with the exception of mild steel, carbon steel, galvanised materials and copper and its alloys.

## SAFETY

Carefully read the safety data sheet of **KLENZ 2** and follow the chemical handling and disposal guidance.

## STORAGE

Store **KLENZ 2** in its original packaging between 5°C and 35°C.  
Always store in original container away from extremes of temperature and out of direct sunlight.  
Shelf life: Minimum of two years.

## PACKAGING

Bulk  
1000 litres  
200 litres  
25 litres

Revision 20/11/2017