

# KLENZKLOR EXTRA

Chlorinated caustic detergent with hard water capability

## DESCRIPTION & APPLICATION

**KLENZKLOR EXTRA** is a heavy duty, caustic based, low foam detergent containing sodium hypochlorite, with many applications in CIP, machine and spray-washing in the food and beverage industries, especially in hard-water areas.

**KLENZKLOR EXTRA** contains sodium hydroxide (dissolves fats and breaks down organic matter), sodium hypochlorite (which breaks down milk, brewing and food proteins such as brown tannin stains) and a high-level blend of organic additives, which provide:

- sequestration/chelation of hard water and metal salts such as calcium and magnesium
- crystal modification
- soil suspension and anti-redeposition
- threshold properties (important for efficient and effective rinsing, especially in hard water).

**KLENZKLOR EXTRA** is a very versatile product; examples of its cleaning applications are fish, poultry, general food and red meat plants as well as for dairy (including milking parlour) and also brewing processing equipment.

**KLENZKLOR EXTRA** is suitable for use right up to very hard water e.g. a typical 2%v/v solution can cope with >500ppm water hardness: contact Christeyns Food Hygiene for optimisation of concentrations.

## USE INSTRUCTIONS

**KLENZKLOR EXTRA** is generally used at 1 - 3% v/v up to a maximum temperature of 50°C, either by circulation, machine or soak cleaning methods.

**KLENZKLOR EXTRA** is not recommended for use above 50°C as corrosion could occur even on stainless steel.

1% v/v **KLENZKLOR EXTRA** = 0.16% w/w NaOH

## PRODUCT CHARACTERISTICS

Composition	Contains sodium hydroxide, sodium hypochlorite and a high-level blend of organic additives
Appearance	Clear liquid
Colour	Yellow
pH (1% v/v)	12.7
Specific Gravity	1.25
Solubility	Soluble in water
Freezing Point	<-5°C
Nitrogen (N) content	0 g/kg
Phosphorus (P) content	0 g/kg
Available Chlorine (1%)	500ppm

### MATERIALS COMPATIBILITY

**KLENZKLOR EXTRA** is only suitable for use at recommended concentrations on stainless steel and certain plastic surfaces and in automatic and CIP equipment.

### SAFETY

Carefully read the safety data sheet of **KLENZKLOR EXTRA** and follow the chemical handling and disposal guidance. DO NOT mix with acids.

### STORAGE

Store **KLENZKLOR EXTRA** in its original packaging between 0°C and 35°C.  
Always store in original container away from extremes of temperature and out of direct sunlight.  
Shelf life: Six months from manufacture.

### PACKAGING

1000 litres  
200 litres  
25 litres

Revision 22/11/2017