

# TM Z SUPER

Highly alkaline detergent for containers and installations made out of stainless steel, for the food industry, tartar remover.

## Description:

TM Z SUPER is a powder. It is a highly alkaline product containing a wetting agent and it prevents foam. It dissolves very well and has a good dispersing properties for organic deposits such as tartar, beer stone, protein, oil and fat. The content of polyphosphates and organic sequester agents improves the cleansing effect, and the dispersion capacity of the TM Z SUPER solution and they also prevent the formation of a limestone haze on the cleansed surface.

TM Z SUPER does not corrode or weaken steel and stainless steel, alkaline-resistant synthetic material, enamel and tiles. It is not to be used on aluminium and coloured metal. Always dissolve TM Z SUPER in 10 times the amount of cold water!

## Possible application:

Wine cellars: For the removal of tartar in tanks and wood barrels.

### Tartar removal in tanks: (2.0 –4.0 % cold)

Circulation cleansing: Pump the cold solution for 30-45 minutes by means of a low pressured-cleansing gadget.

### Tartar removal in wood barrels:

Fill the barrel up to the top with a 1 % solution, for older coatings (older than 10 years) use a 2% solution (that is 1-2 kg TM Z SUPER per 100 l water), TM Z SUPER solution. Let it soak for a day. Pump the lye into the next barrel afterwards, and rinse the already treated barrel with water.

TM Z SUPER solution can be reused several times, as long as the pH value is above 13 (check with the test strip). In case the pH value is lower than 13, then the solution can be drained off into the sewer. TM NEUTRALISATOR can be used to lower the pH value to 9, if required.

### To water and neutralize wood barrels:

Fill the rinsed barrel with a 0.5 % TM NEUTRALISATOR solution up to the top and let it soak for a day. Pump the solution to the next barrel afterwards. Rinse the barrel with water again. The cleansed wood barrel can now be used again.

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## Floor cleansing in the food industry:

Extremely soiled floors (oils and fats) and rubber abrasions on concrete- and tile floors can be cleansed with a 1-2 % TM Z SUPER solution: apply the cold or warm solution onto the floor, spread it with a brush, let it soak for 2 hours, and rinse with a high-pressure gadget.

## Dairies:

Cleansing of calcinating- and ultra high speed tempered installations as well as production installations.

concentration used:           2.0- 3.0 %  
temperature:                   up to 90°C

## To monitor the concentration:

One can check the concentration of the ready made solution of TM Z SUPER with a control titration of a test sample of 100 ml with 1-n-hydrochloric acid against phenolphthalein (used amount ml 1-n-HCl = p-value).

Concentration of TM Z SUPER slution in weight %:  $p \times 0.046$

## Marking according to the chemical law:

C corrosive; heed the R- and S- sentences on the label!

Form of delivery: 25 kg bag, 25 kg hobbock