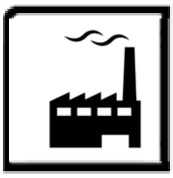
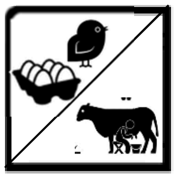
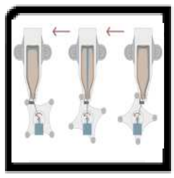
BIS B 6720

Powdered alkaline detergent for machine cleaning of glass packaging and other industrial applications

INGREDIENTS: 15–30% phosphates; <5% non-ionic surfactants
CONTAINS: sodium hydroxide (CAS: 1310-73-2 / EC: 215-185-5)

Application area:

Intended for regular automatic washing of glass packaging (breweries, mineral water bottling, etc.) and for all alkaline cleaning of process equipment and devices in meat and dairy processing, beverage production, bakery and confectionery industries, honey production, and other industrial sectors. Suitable for use in bottle washing machines of all capacities and via CIP systems. Also effective in removing wine stone deposits.

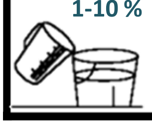
Properties:

Highly alkaline powder detergent with a high content of free alkalis. Provides excellent cleaning performance, effectively removing even the most stubborn contaminants. When used in machines, its optimal chemical composition practically eliminates undesirable bacterial flora. The formulation includes a highly effective anti-foaming agent which, under proper operating conditions and recommended concentrations, prevents excessive foam formation.
Bulk density: .... 840 kg/m^3

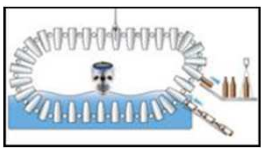
pH			
11	12	13	14

Product Application:

Cleaning of Glass Packaging – Before preparing a fresh solution, the machine must be thoroughly cleaned and ventilated. Afterwards, fill the tanks with water and heat to 45–55 °C. While the pumps are running, add the required amount of the product to the heated water. Cleaning time, operating temperature, and pressure depend on the type and design of the equipment. The product concentration depends on the type and degree of bottle soiling, water hardness, as well as the design and characteristics of the equipment, and is generally between 1.5–2%. In machines with multiple caustic solution tanks, the highest concentration should be in the first tank.For other alkaline cleaning processes, the product is applied at concentrations of 2–10%. Operating temperature and cleaning time depend on the type and degree of soiling, the nature of the material being cleaned, and the available cleaning equipment and systems (50–90 °C; 10–40 minutes). After each cleaning procedure, thorough rinsing with clean warm water is required.



10-100 g /1 L
1-10 %



10-20 g/1 L
1-2 %

Proper dosing reduces costs and minimizes environmental impact.
Professional use only

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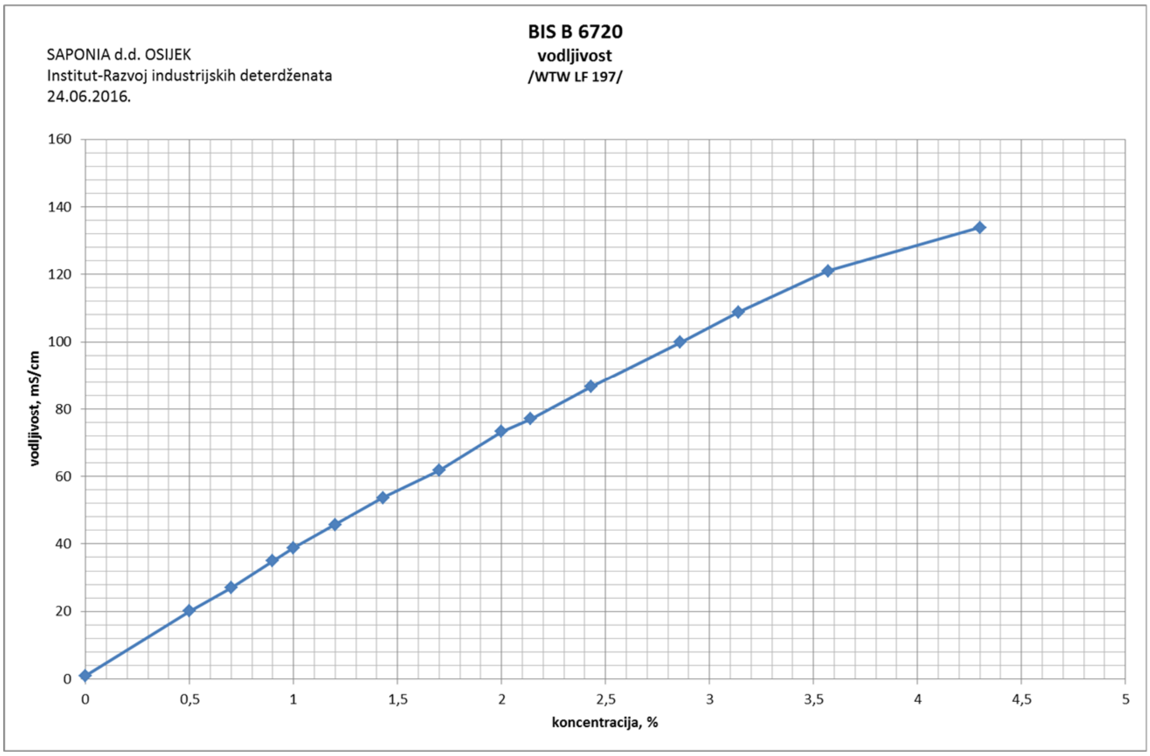
SAPONIA OSIJEK

Determination of Working Concentration
Volumetric Determination – Titration

Titrate 10 ml of the working solution with 0.5 mol/L (0.5 N) HCl using phenolphthalein as an indicator until the red-violet color disappears.Factor for concentration calculation: 0.28
U = ml used HCl
U x 0,28 = concentration BIS B 6720 (%)
U x 0,202 = % NaOH

Conductometric Determination
Solutions prepared using Osijek tap water.

BIS B 6720 %	0	0,5	0,7	0,9	1	1,2	1,43	1,7	2	2,14	2,43	2,86	3,14	3,57
mS/cm (24°C) tap water	0,9	20,1	27	34,9	38,8	45,7	53,7	61,7	73,3	77	86,6	99,8	108,8	121



Safety Advice and Storage Instructions:
Do not mix the product with other cleaning agents. Complete handling and disposal instructions can be found in the Safety Data Sheet (SDS).Store in the original packaging in a dry, dark, and ventilated area, protected from heat sources and sunlight. Protect from moisture and water. Keep separate from oxidizers, acids, light metals, and flammable organic substances.

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