

## Technical data sheet

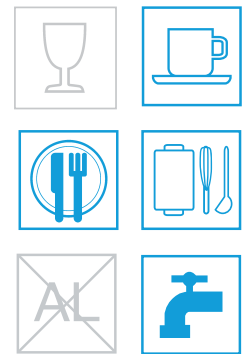
### All-purpose Hygienic Detergent

# F 400

### Liquid, highly alkaline, active chlorine all-purpose detergent

#### Area of application:

- Suitable for professional front-loading, rack pass-through, rack conveyor and flight-type dishwashing machines in restaurants, hotels and commercial catering kitchens
- Suitable for all types of dishes made of porcelain, plastic, glass and stainless steel, as well as cutlery
- Effectively removes dried-on food remnants of all kinds as well as coffee and tea stains and other dis-colourations
- Check silver first
- Not suitable for aluminium (including anodised) and light metal alloys



For perfect cleaning results, we recommend using this product in Winterhalter dishwashers with Winterhalter Rinse Aid B 100 N and the corresponding water treatment. A suitable Winterhalter water treatment or the use of Winterhalter Detergent F 8700 and Rinse Aid B 100 S ensures an optimum cleaning result from 10 °d GH. Correct water treatment can reduce detergent consumption by up to 50 %.

#### Product advantages:

- Universal, highly concentrated
- Very good cleaning performance
- Efficient starch removal
- Very efficient grease removal
- Very good bleaching

#### Dosage:

With automatic dosing equipment, depending on the degree of soiling and the water quality:

Total hardness in			Hardness range	mg/l CaCO <sub>3</sub>	ml/l
°d	°f	°e			
<7	<12.5	<8.75	soft	<125	<b>1-2</b>
7 to 14	12.5 to 25	8.75 to 17.5	medium	125 to 250	<b>2-3</b>

#### Ingredients:

Alkalis, chlorine-based bleaching agents, phosphates, silicates



The special material protection formula is very gentle on dishes and also extends the machine's service life. The built-in bleaching component ensures outstanding hygiene even at tank temperatures of 55 to 60 °C.

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#### Delivery sizes:

12 kg	PE drum
25 kg	PE drum

#### Technical data:

Colour:	yellowish
Odour:	product-specific
pH value:	14
Viscosity:	approx. 1 (at 20°C in mPa s)
Conductivity:	2.7 mS/cm (at 3 ml/l in deionised water/ 22°C)
Shelf life:	1 year
Storage conditions:	cool, dark, upright, frost-free to max. 25°C
Density:	1.39 g/cm <sup>3</sup>

#### Disposal of empty packaging:

- Completely emptied packaging is recyclable and can be disposed of by the end-user through the DSD.
- Information on disposal of product residues can be found in the safety data sheet

#### Safety notes:

R 31	Contact with acids liberates toxic gas.
R 35	Causes severe burns.
S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 27	Take off immediately all contaminated clothing.
S 28	After contact with skin, wash immediately with plenty of water.
S 36/37/39	Wear suitable protective clothing, gloves and eye/ face protection.
S 45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

#### Important:

- Product is not intended for the general public. For commercial use only!
- Storage and transport permissible only in original packaging in upright position. Do not expose to direct sunlight. Protect from freezing.
- Drum spouts are available to aid filling of built-in detergent containers. To avoid confusion, F 400 Detergent may be filled only in containers marked Detergent.
- Never mix with other products and do not transfer to other containers, bottles etc.!
- Containers, pipes and dosing equipment should be rinsed with fresh water before changing product.
- Colour variations in the product are caused by raw materials and storage and do not affect quality.
- The washing parameters should be maintained in accordance with DIN standards (DIN 10 510 to 10 512 and DIN 10 522). Pay attention to the information provided by the Commercial Dishwashing Working Group of the German Commercial Dishwashing Federation, VGG. In this context refer to: [www.vgg-online.de](http://www.vgg-online.de)
- To ensure reliability and long life for your dish-washer all filters should be cleaned at the end of operations, after the self-cleaning program has ended. Leave the machine open slightly so the interior can dry and in order to build up corrosion protection.
- For cleaning and maintaining the stainless steel exterior of the machine we recommend Winterhalter C 122 Universal Grease Solvent and Stainless Steel Cleaner as well as Winterhalter C 162 Aerosol Stainless Steel Polish.
- You will find this product's safety data sheet, technical data sheet, sample operating instructions and written instructions (these have replaced all the accident checklists since July 1, 2009) on our homepage at [www.winterhalter.biz](http://www.winterhalter.biz).