## Material resistance test





Ecolab GmbH & Co. OHG D-40551 Düsseldorf

certifies that

## a material resistance test

was performed for

SEW-EURODRIVE GmbH & Co KG Ernst-Blickle-Straße 42

D-76646 Bruchsal

with

the cleansing agents/disinfectants P3-oxonia, P3-oxonia active, P3-oxysan ZS, P3-topactive ZS, P3-topactive 200, P3-topax 50, P3-topax 59, P3-topax 58, P3-topax 68 and P3-topax 99.

The protective properties of the tested **OS4 surface protection coating** against the P3 products used in the test can be considered to be positive according to the cleaning procedure mentioned overleaf.

November 8, 2004

Ecolab GmbH & Co. OHG

i. V.

Úlrich Hölzgen Service Manager i. V.

**Reimund Laaff** Marketing Manager

**SEW-EURODRIVE GmbH & Co KG** 

ppa.

i. V.

Ekkehard Dörr Sales Manager Germany **Heinrich Zimmermann** Gear Development Manager

## This certificate is based on

- Documented test procedures on material resistance
- Defined product descriptions
- Standardized cleaning procedure

## Test procedure

#### Dipping test:

- Complete immersion in the test medium

#### **Test period:**

- 1500 cycles (simulates daily cleaning for a time period of 5 years)

#### **Temperatures:**

-20-60 °C

#### **Evaluation:**

- Evaluation takes place approximately 7 days after regeneration
- Evaluation of changes of the protective properties according to DIN EN ISO 4628-1
- Evaluation of decorative changes (color, brightness)
  - (+) no changes
  - (o) possible minor changes
  - (-) possible changes under long-term influence

## Product specifications:

#### P3-oxonia (o)

Disinfectant based on H<sub>2</sub>O<sub>2</sub>

#### P3-oxonia active (+)

Disinfectant based on H<sub>2</sub>O<sub>2</sub> and peracidic acid

#### P3-oxysan ZS (+)

Disinfectant based on peroxide compounds

#### P3-topactive DES (+)

Foam and TFC capable disinfectant based on  $\mathrm{H}_2\mathrm{O}_2$  and peracidic acid

#### **P3-topactive 200** (o)

Alkaline cleansing agent for operational cleansing as TFC application

#### **P3-topactive 500** (-)

Acid cleansing agent for operational cleansing as TFC application

#### P3-topax 19 (o)

Alkaline foam cleansing agent

#### P3-topax 56 (-)

Acid foam cleansing agent

### **P3-topax 58** (+)

Acid foam cleansing agent based on organic acids

#### **P3-topax 66** (0)

Alkaline foam cleansing agent and disinfectant

based on active chlorine

#### **P3-topax 68** (0)

Alkaline foam cleansing agent with active chloride

#### P3-topax 99 (o)

Alkaline foam disinfectant based on alkylamin acetate

## Cleansing schedule for food processing plants\*



## Rinsing with cold water from 40 ... 50 °C

- Rinsing with low pressure from top to bottom in the direction of the drains.
- Cleaning of the drains.



# Foaming from bottom to top

- Concentration: 1 ... 5 %
- Application: daily
  (P3-topax 56, P3-topax 99 and P3-topactive 500 if required)
- Temperature: cold up to 60 °C



#### **Contact time**

 A contact of approximately 10 to 30 minutes is recommended.



Rinsing with cold drinking water from 40 ... 50 °C

Rinsing from top to bottom with low pressure.

<sup>\*</sup>Summary, detailed cleansing schedule according to specification by Ecolab