

## elma clean 280 dip&splash (EC 280 d&s)

### Description

**elma clean 280 dip&splash (EC 280 d&s)** is a liquid, acid and foam-inhibited cleaning concentrate for dip and splash cleaning in industry and laboratory. Suitable for the acidic basic cleaning of lab-ware and workpieces made of stainless steel, glass, ceramics and plastic materials.

Removes metal oxides and mineral contaminations like rust, lime and flux residuals, good for decalcination. Removes mineral oil and grease. Animal and vegetable oils and fats are to be removed with alkaline/neutral cleaners before.

Separate rusty instruments and clean them separately with **elma clean 280 dip&splash (EC 280 d&s)** before. Brown and grey tarnish from disinfecting agents and tarnish from blood residuals treated together after sterilization are removed and the surface areas are brightened again.

Not suitable for aluminium, check alloys of light metal alloys before use.

Attention: danger of tarnishing if different metals in the cleaning solution at the same time.

### Application and Dosage

- Ultrasonic bath: Dosage: ~1 vol-% with water • Temperature: 40-70 °C.
- Immersion bath: Dosage: >2 vol-% with water.
- Spray cleaning: Dosage: ~0.5 vol-% with water • Temperature: well above 55 °C only.
- Rinse the cleaned surfaces thoroughly with water, then dry.
- Above ~ 40 °C the cleaning solution becomes opaque, this does not affect the cleaning performance.
- For surfaces sensitive to formation of rust after cleaning add to the rinsing bath elma-KS, ~ 0.1 vol-%, rinse and blow off or/and dry immediately.

### Safety Recommendations

**elma clean 280 dip&splash (EC 280 d&s)** is classified as hazardous according to the Regulation (EC) No 1272/2008 [GHS] (acutely toxic (oral) - category 4, skin corrosive and serious eye damage, corrosive to metals [aluminium]).

Observe also with respect to this the hints indicated in the safety data sheet and always handle chemicals with care.

### Physical-chemical characterisation

- Density: 1.32 g/ml • pH (concentrate): <1.
- Ingredients according to Annex VII, A, Regulation (EC) No 648/2004 on detergents: 15-30 % non-ionic surfactants, >30 % phosphates (phosphoric acid).

### Disposal

The surfactants in our product meet the criteria for biodegradation as laid down in Annex III of the Regulation (EC) No 648/2004 on detergents.

The used cleaning solution can be fed into the public sewage system after neutralisation; observe the local pH limit values and make sure that the contamination contained in the used cleaning solution complies with the local sewage regulations. Recommendation: use lime or soda lye for neutralisation.

European waste code: 20 01 29\*, „detergents containing dangerous substances“.

### Volumes, Storage and Transport

- Available volumes: 2.5 l HDPE-can [REF 8000051](#), 5 l HDPE-can [REF 8000052](#), 10 l HDPE-can [REF 8000050](#), 25 l HDPE-can [REF 8000053](#) and 200 l barrel [REF 8000054](#).
- Store in closed original container at dry place and at temperatures between -5 °C and +30 °C, protected from heat and direct solar radiation. Do not store with alkalis. Provide acid-resistant floor.
- Shelf life: 4 years from date of production (see lot on label).
- Classification for all means of transport: class 8, UN 1805.

### Accessories

- Tap (outlet tap): for 5 / 10 l cans [REF 8000003927](#) • for 25 l can [REF 8000003928](#).
- Dosing cup: 250 ml vol./5 ml-scale [REF 8000643](#) • 1000 ml vol./10 ml-scale [REF 8000647](#).