

## elma korrosionsschutzzusatz (elma-KS)

### Description

**elma korrosionsschutzzusatz (elma-KS)** is a liquid, mildly alkaline concentrate for the temporary corrosion protection used as additive to the rinsing or cleaning bath. Corrosion-sensitive metals such as steel, gray cast iron and hard metals are covered with a protective coating on a molecular level which protects temporarily from corrosion.

Subsequent coating (PVD, CVD) or hardening processes (plasma- and carbonitriding) are not impeded.

### Application and Dosage

- Add **elma-KS** to the rinsing bath (tap water or distilled water):  
for complicated geometries we recommend ultrasonic rinsing.
- **elma-KS** can also be added to the cleaning bath:  
The cleaning results are excellent if used with e.g. elma clean 210 (EC 210) or elma clean 225 (EC 225).
- Dosage: 0.05-0.5 % • Temperature: 20-80 °C • Duration: 1-5 min in an ultrasonic or rinsing bath.
- For further temporary corrosion protection after drying, keep drying below 120 °C!

### Safety Recommendations

**elma korrosionsschutzzusatz (elma-KS)** is classified as hazardous according to the Regulation (EC) No 1272/2008 [GHS] (serious eye damage).

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

### Physical-chemical characterisation

- Density: ~1.07 g/ml • pH (1% solution): 9.0 - 9.5.
- Ingredients according to Annex VII, A, Regulation (EC) No 648/2004 on detergents:  
>30 % soaps.
- Does not contain secondary amines.

### 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 or rinsing bath can be fed into the public sewage system; observe the local sewage regulations and make sure that the contamination contained and the used cleaning chemical are allowed.

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

### Volumes, Storage and Transport

- Available volumes: 1 l PE-bottle [REF](#) 5820600000, 2.5 l HDPE-can [REF](#) 8000320, 5 l HDPE-can [REF](#) 5818900000 and 25 l HDPE-can [REF](#) 5822300000.
- Store in closed original container at a temperature between -5 °C and +30 °C, protected from heat and direct solar radiation. Do not store with oxidizing agents and acids.
- Shelf life: 5 years from date of production (see lot on label).
- Classification for all means of transport: no hazardous material.

### 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.