

## PreciClean P91

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Cleaning concentrate to remove stubborn contamination; for industrial applications.  
For use in soaking baths and ultrasonic cleaning systems.

### Application

Amsonic PreciClean P91 is a liquid, highly alkaline and highly effective concentrate for the automatic cleaning of stubborn contaminations on soldering machines, apparatus, mechanical components etc. Amsonic PreciClean P91 doesn't corrode iron and steel, but check non-ferrous metals and aluminium alloys on their resistance.

Amsonic PreciClean P91 automatically removes stubborn contaminations such as burnt-on greases, oils, waxes, organic or inorganic traces as well as silicones.

### Properties

Amsonic PreciClean P91 considerably reduces the surface tension of the cleaning solution and because of its good wetting performance, removes contamination easily. The excellent emulsifying and dispersing capabilities prevent removed particles from being redeposited. Special tensio-active surfactants guarantee an absolute rinsing after cleaning.

Amsonic PreciClean P91 is based on a phosphate-free formula. Instead of corrosive substances such as free chlorine, mild cleaning enhancers have been used to make the product safe for materials.

### Ingredients

Alkalis, complexing agents, dispersing agent, surface active compounds, solubiliser, surfactants, corrosion inhibitor

### Dosage

The most favourable dosage mainly depends on the hardness of the water and the contamination's stubbornness. For very strong deposits it can be applied at a higher concentration. A thorough rinsing after cleaning is necessary. The recommended concentration for use is:

Dosage	Temperature	Exposure time
2-5%	60-80°C	3-10 min

### Material compatibility

#### Suitable for:

Glass, lead crystal, quartz, ceramic, synthetic material, stainless steel, iron, steel

#### Storage/Transport (concentrate):

Chromium steel, PE, PP, PVC, Viton, NBR

#### Partly suitable for:

Aluminium alloys, non-ferrous metals (avoid long exposure times)

Before using Amsonic PreciClean P91 for other materials, carry out your own compatibility tests or consult Amsonic AG.

### Physical data

pH value	1 %	12,2
Density	Concentrate	1,16 g/ml
Surface tension	1 %	31 dyn/cm
Titrate procedure	100 ml basis	0,1 N Hydrochloric acid
Consumption of 0,1 N HCl	22 ml / weight %	Phenolphthalein

### Safety at work

Please consult the safety data sheet of Amsonic PreciClean P91 for information concerning hazard classification, toxicology, and safety at work.

### Availability

This product is available in 25 l canisters.

Containers, screw caps and labels are made of recyclable polyethylene.

### Storage

Keep container tightly closed, store in a dry place, and protect from sun. Optimal storage temperature: +5 to +25 °C. Shelf life in original containers is indicated on the label. We recommend you a "first in - first out" inventory management.

### Waste disposal

This product corresponds to the international regulations concerning biological degradability (WRMG and surfactant law). All organic ingredients (content < 10 %) are more than 80 % biologically degradable according to OECD Test No. 302 B.

COD of this product is 85 g/kg concentrate (calculated value).

Before allowing to enter drains or into sewage works the cleaning solution must be neutralised. To achieve pH of about 7-8, 304 ml 25 % hydrochloric acid or 110 ml 60 % sulphuric acid is needed per kg of Amsonic PreciClean P91 (concentrate).

To dispose of resultant waste the local effluent regulations must be observed!

### Additional information

Please consult our general brochures for further products from Amsonic AG and ask for corresponding data sheets.

All information is based on our findings. It neither relieves the user from conducting his own tests nor constitutes any legally binding assurance of specific properties.