

PreciClean P81

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High performance cleaning concentrate for use in optical industries.
Particularly suitable for the cleaning of organic ophthalmic lenses.
For use in ultrasonic cleaning systems.

Application

Amsonic PreciClean P81 has been particularly developed for the application in optical industries for an absolute residue-free and non-foaming cleaning of organic glasses.

Amsonic PreciClean P81 removes efficient and without leaving traces the most stubborn contamination of organic or inorganic origin.

Properties

Amsonic PreciClean P81 is an alkaline preparation and does not contain organic tensio-active substances. The excellent emulsifying and dispersing capabilities prevent removed particles from being redeposited.

Special wetting properties guarantee for an excellent and immediate hydrophobic rinsing effect on organic glasses. The subsequent drying process can thus be reduced considerably.

Ingredients

Alkalis, complexing agents, dispersing agent, sequestering agents

Dosage

The most favourable dosage mainly depends on the hardness of the water and the contamination's stubbornness. The use of demineralised water improves the cleaning properties

The recommended concentration for use is:

Ultrasonic cleaning

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

Spray cleaning

Dosage	Temperature	Exposure time
0.5-2%	60-80 °C	3-10 min

The cleaning procedure is accelerated by raising the temperature of the solution. The time necessary is roughly halved for each increase of 10 °C.

Material compatibility

Suitable for:

Glass, precious metals, stainless steel, precious stones, lead crystal, quartz, ceramic, synthetic material, rubber, porcelain, steel, ferrous metals, ophthalmic lenses

Storage/Transport (concentrate):

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

Not suitable for:

Alkaline sensitive high precision optical glasses

Before using Amsonic PreciClean P81 for other materials, carry out your own compatibility tests or consult Amsonic AG.

Physical data

pH value	1 %	11,9
Density	Concentrate	1,24 g/ml
Surface tension	1 %	52 dyn/cm
Titrate procedure	100 ml basis	0.1n Hydrochloric acid
Consumption of 0.1n HCl	17.3 ml/Vol%	Phenolphthalein

Safety at work

Please consult the safety data sheet of Amsonic PreciClean P81 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 < 20 %) are more than 90 % biologically degradable according to OECD Test No. 302 B. COD of this product is 82 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, 217 ml 25 % hydrochloric acid or 138 ml 60 % sulphuric acid is needed per kg of Amsonic PreciClean P81 (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.