



DIRUPASS AP
Acidic cleaner for stainless steel surface passivation
Technical datasheet

Liquid, acidic, contains surfactants. Suitable for CIP spray processes, flooding and in washers.

APPLICATION

Dirupass AP is suitable in spray processes or by flooding the production equipment for the

- passivation of stainless steel surfaces in spray processes
- removal of temper colours, rust films and extraneous rust, silicate layers and protein incrustations

Dirupass AP is used for residue-free processes in the chemical, pharmaceutical, biotechnology and cosmetic industries.

The passivation process developed by Ateco Services AG

The passivation process consists of two steps: The surfaces are first prepared with an alkaline special cleaner or our derouging product Diruneutra LIQ/P. The actual passivation step follows immediately afterwards with Dirupass AP.

The advantages at a glance

This new process developed by Ateco Services AG has important advantages compared with other commonly used methods:

- low concentrations
- no halides
- increased safety at work
- mild towards materials
- specific and validated analytical methods for eventual residues
- ideal process for electropolished surfaces
- proven process also applicable to medical devices (MD)

Very effective – excellent protection of surfaces

Analyses of different substrates using XPS (X-ray photoelectron spectroscopy) clearly demonstrate the advantages: The new process greatly improves the natural passivating layer. The ratio of chromium to iron or of chromium oxide to iron oxide increases significantly. Around welded joints, chromium and chromium oxide concentrations are also appreciably higher through the use of this process.



PROPERTIES

Dirupass AP is

- liquid
- acidic
- non-foaming
- very easily rinsed off
- exhibits good compatibility with materials, even with seals

INGREDIENTS

Inorganic acids, surfactants

DOSAGE

Dirupass AP is used at a concentration of 2.0 - 4.0 % (w/w) in the passivation process. For other applications the concentration used is 2.0 - 10.0 %.

INFORMATION ON USE

For further details and specific recommendations concerning the passivation process, please contact Ateco Services AG.

Residue analysis/cleaning validation

To confirm residue-free processes, we supply suitable analytical methods and will be pleased to advise you on how to perform them in practice.

MATERIAL COMPATIBILITY

Suitable for: Stainless steel

For materials not mentioned please make your own specific compatibility tests or consult Ateco Services AG.

CHEMICAL / PHYSICAL DATA

(See table below)

AVAILABILITY

Please ask your local representative about current container sizes.

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

ADDITIONAL INFORMATION

For information concerning safety at work, storage and waste disposal/effluent, please consult the corresponding safety data sheet.

Take advantage of our vast know-how! Please, contact us for further information regarding your specific application.

DIRUPASS AP for the highest standards of quality

Dirupass AP products have been developed specially for validated cleaning.

Our products and services have been specially developed to allow the use of individual, optimally adapted and efficient processes.

You can obtain further information on this directly from us.

All information provided is based on our current knowledge and it does not constitute a legally binding assurance of specific product properties.

Chemical/physical data

pH	1 % - 10 % solution in DI-water	< 2.5
density	concentrate	1.11 g/ml
appearance	concentrate	transparent, colourless

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