



Dirupass AP is a liquid, acidic, and surfactant-containing solution. The medium is suitable for CIP spray processes, flooding, and use in dishwashers.

USE

Dirupass AP is suitable for spray application or flooding of production systems for:

- Passivation of stainless-steel surfaces

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

The Passivation Process by Ateco Services AG

The passivation process involves two steps: first, the surfaces are prepared with an alkaline special cleaner, the derouging agent Diruneutra LIQ/P or the derouging agent Dirupure LIQ/P. Immediately afterwards, passivation is carried out with Dirupass AP.

Advantages at a Glance:

The new process developed by Ateco Services AG offers significant advantages over conventional methods:

- Low application concentrations
- No use of halogenides
- Increased occupational safety
- Gentle on materials
- Specific and validated analytical methods for potential residues
- Ideal process for electropolished surfaces
- Proven process for medical products (MD)

Effectiveness - Outstandingly Protected Surfaces

Analyses of various substrates using XPS (X-ray Photoelectron Spectroscopy) show clear results: the novel process significantly improves the natural passive layer. The ratios of chromium to iron, as well as chromium oxide to iron oxide, increase significantly. In the area of weld seams, the concentrations of chromium and chromium oxide are also significantly increased by this process.



PROPERTIES

Dirupass AP is:

- Liquid
- Acidic
- Non-foaming
- Easily rinsable
- Compatible with various materials, including seal

INGREDIENTS

Inorganic acids, surfactants

For more details, see the Dirupass AP Safety Data Sheet.

DOSAGE

Dirupass AP is used in the passivation process at a concentration of 2.0 – 4.0% (v/v).

INSTRUCTIONS FOR USE

For further information and personalized recommendations on the passivation process, please contact Ateco Services AG.

Residue Analysis / Cleaning Validation

To verify a residue-free process, we offer suitable analytical methods and are happy to assist you with implementation.

MATERIAL COMPATIBILITY

Dirupass AP is suitable for: stainless-steel

For materials not mentioned, compatibility testing must be conducted independently or commissioned through Ateco Services AG.

CHEMICAL/PHYSICAL DATA

pH value	1% - 10% solution in demineralized water	< 2.5
Density	Concentrate	1.11 g/ml
Appearance	Concentrate	clear, colourless

DELIVERY

Please ask your representative for the current packaging sizes.

The containers, closures, and labels are made of recyclable polyethylene.

ADDITIONAL INFORMATION

For information on occupational safety, storage, and disposal/wastewater, please refer to the safety data sheet for this product.

Benefit from our expertise! Contact us for practical information regarding your specific application.

Dirupass AP for the Highest Standards

Dirupass AP was specifically developed for validated cleaning / passivation.

Our services and products enable a customized, optimally coordinated, and effective process.