

TECHNICAL INFORMATION

Leracid[®] AL 202

*acidic aluminium cleaner
for food industry, heavily foaming*



Product description: **Leracid[®] AL 202** is an acidic foam cleaner based on phosphoric acid / nitric acid with a strong dissolving effect on limestone deposits, rust stains, pigments, fats and proteins.
Use **Leracid[®] AL 202** to clean all kinds of surfaces, e.g. machines, equipment, floors or walls.
Foaming ensures a sufficient reaction on the soiled surfaces.
Leracid[®] AL 202 contains specific acids as well as corrosion inhibitors to prevent an attack to usual materials used in the food industry.

Technical data:

Appearance:	liquid
Colour:	colourless
Density:	approx. 1.24 g/cm ³
pH-value (10 g/l):	approx. 1.8

Important ingredients: Inorganic acids, surfactants, inhibitors, solubilizers

Material compatibility:

Metals:
The ready-to-use solution is suitable for stainless steel, for copper and aluminium with limitations.
A soft attack on aluminium supports the cleaning effect.
Polished aluminium surfaces will be attacked.

Plastics:
The ready-to-use solution is suitable for PVC (polyvinyl chloride), EPDM (ethylene propylene rubber), FPM (fluororubber, viton), CSM (chlorosulfonyl polyethylene) and PE (polyethylene).

All other materials require pretests on a hidden area.

Environmental impact (waste water) behavior: We are not aware of negative influence on the environment if the product is used according to our instructions and respecting local legislations and regulations, if applicable.

When using these products, all applicable safety regulations for the use of chemicals must be observed. For storage information, danger specifications and safety regulations, please refer to the applicable safety data sheets. Application solutions and product remnants must be discarded in compliance with official regulations. The information given reflects our previous experience. With regard to varying operational conditions, this information is noncommittal and to be used as advice only. Therefore, we assume no liability whatsoever, including claims from third parties.

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Storage instructions: Store in well closed containers in a cool and dry place.
Prevent from frost and heat.
Do not expose to direct sunlight.

Application: Concentration: 2 – 5%
Temperature: cold – 50°C
Technology: foam unit

The application conditions depend on type and level of soiling.

Fill strongly soiled equipment (e.g. boilers) with cleaning solution or dip units (pie or ham moulds) in the cleaning solution.

According to governmental regulations product-contaminated surfaces which come into direct contact with any kind of food have to be rinsed with water of drinking water quality until cleaning agents and disinfectants are completely removed.

Concentration monitoring: Required reagents: methyl red / methyl orange
sodium hydroxide (0.1 mol/l)

Procedure:

Add a few drops of mixed indicator methyl red / methyl orange solution to 10 ml of cleaning solution. Titrate with sodium hydroxide (0.1 mol/l) from red to yellow.

Product factor: 0.17

Used ml sodium hydroxide x 0.17= % Leracid® AL 202

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