



MIDA ADD 414 AL

Liquid acidic additive with antifoam properties
for the food and beverage industry

DESCRIPTION & APPLICATION

MIDA ADD 414 AL is a liquid acidic additive to the caustic solutions that has been formulated for the food and beverage industry, especially for every kind of industrial bottle-washing applications and for solution which used by cleaning of CIP systems.

MIDA ADD 414 AL contains high level of the sequestrants agent that provides chelating properties not only on calcium and magnesium but also on iron ions. Product contains also a special blend of nonionic surfactants with wetting and antifoam properties.

When **MIDA ADD 414 AL** is added to the caustic solutions, ensures the separation of the labels, in presence of any type of glue and preventing their pulping.

USE INSTRUCTIONS

The suitable concentration of **MIDA ADD 414 AL** is strictly related to different factors and can vary from 5 % to 15 % calculated on the caustic soda to 100 %.

Calculation for example: by the using of 2 % concentration of liquid 50 % NaOH and 10 % concentration of additive **MIDA ADD 414 AL**, will be added 2 lt additive for 1000 lt of 2 % alkaline solution.

For final reasons is better to experimentally check the suitable product dosage.

Recommended temperature: 60°- 80°C following the instructions by the manufacturer of bottle-washer.

PRODUCT CHARACTERISTICS

Composition	Contains phosphoric acid, gluconic acid, surfactants, solvents, sequestrants, antifoam agent.
Appearance	Clear liquid
Colour	Colourless
Odour	Without odour
pH (100%)	2,5 ± 0,5
Density	1,17 ± 0,05 g/cm ³ (20°C)
Solubility	Miscible in water in all proportions

MATERIAL COMPACTIBILITY

When **MIDA ADD 414 AL** is used according to the recommended use instructions, then **MIDA ADD 414 AL** can be used on materials commonly used in the food industry, with the exception of light alloys, galvanized materials, non-ferrous metals and soft metals like aluminium.

ENVIRONMENT

MIDA ADD 414 AL does not contain any chlorine and hence there is no risk of the formation of organic adsorbable halogens (AOX).

The surfactants of **MIDA ADD 414 AL** comply with the European Union Directive EU648/2004 on the biodegradability of surfactants.

SAFETY

Carefully read the material safety data sheet of **MIDA ADD 414 AL** and follow the chemical handling and disposal guidance.

STORAGE

Store **MIDA ADD 414 AL** in its original packaging between 5°C and 30°C. Do not expose to direct sunlight. The expiry date is 24 months from date of manufacture.

PACKAGING

MIDA ADD 414 AL can be available in CAN and DRUM.

Technical Data Sheet **MIDA ADD 414 AL**
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