



PRODUCT NAME: ANTIFORMIN S

PRODUCT CODE: ANTS

CUSTOMS TARIFF/COMMODITY CODE: 28151200

PACKAGING: 25, 200 500, 600 LITRE AND 1000 IBC

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## TECHNICAL INFORMATION SHEET

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### ANTIFORMIN S —HYGIENE

#### Description

ANTIFORMIN S is a combined caustic chlorine detergent suitable for a wide range of cleaning duties. This product contains a sequesterant making it suitable for use in hard water areas.

#### Benefits

- Caustic formulation deals with hard dried yeast and hop residues
- Chlorinated formulation disinfects efficiently
- Ideal for vessel washing, CIP, cask washing, general cleaning
- Ideal for use in hard water areas
- Can be used on stainless steel, copper and plastics

#### Principle

ANTIFORMIN S is a food safe concentrated liquid detergent/ disinfectant solution and probably the most universally used and effective branded product of its type in the brewing industry. It is uniquely formulated to give a stable, powerful cleaning and disinfecting action and is readily rinsable.

The product can be used in any application where the degree of soiling is light and a disinfecting action is required after cleaning. Where the soil is heavy and contains e.g. proteins, dextrans, cellulose, mucilage, pectin or tannin and a disinfecting agent is not required, hot caustic solutions are more appropriate for regular routine cleaning.

#### Application and Rates of Use

ANTIFORMIN S rates are normally 1-2% in water, but this may vary depending on application and degree of soiling. Elevated temperatures can increase cleaning power however the maximum temperature to use Antiformin S is 50° C as the rate of chlorine loss will accelerate markedly.

##### STAINLESS STEEL VESSELS

In contact with stainless steel the strength of solution should not exceed 2.5%. It should be noted that some older tank liners can react with the product to produce a phenolic taint. The importance of thorough cold water rinsing after cleaning ANTIFORMIN S cannot be over-emphasised, particularly in the case of beer vessels.

##### SOAK BATHS

For soak bath applications, a 1% solution is appropriate. Hoses and fitting that have been soaked should be rinsed thoroughly with water before use.

##### SCRUB DOWN WALLS AND FLOORS

A 5% solution of the product can be used to scrub down walls and floors, to remove and inhibit subsequent growth of mould, algae and yeast.

#### Guidelines for use

- Check that the product is within its shelf life before use
- Contact time is 15-20 minutes
- Do not mix with acids
- Do not use on aluminium, zinc, brass or galvanised surface
- Do not use a concentration >2.5% on stainless steel surfaces
- Do not exceed temperatures of 50° C as rate of chlorine loss will accelerate markedly.
- Read the Material Safety Data sheet prior to use

## Specification

COMPOSITION	Sequestered sodium hypochlorite and sodium hydroxide in aqueous solution
APPEARANCE	A yellow to green liquid
ODOUR	Chlorine

### Analysis

Specific Gravity @20C	1.16 ± 0.01
Alkalinity (as % w/v NaOH)	8.15 ± 0.15
Available chlorine (as Chlorine w/v)	5.15 ± 0.15

### Maximum Limits of impurities

As (ppm)	3
Pb (ppm)	10

## Regulations

This material conforms to BS EN 896:2005 for the treatment of water intended for human consumption

## Technical Support

For Health & Safety information on this product, please see the Safety Data Sheet (SDS)

For support and advice on the use of this product, please call or e-mail our Technical Support:-

Telephone:- + 44 (0)115 978 5494

[techsupport@murphyandson.co.uk](mailto:techsupport@murphyandson.co.uk)

For up to date information regarding, Kosher, Halal, Vegetarian, GMO status, or anything not mentioned on this tech sheet please email:-

[compliance@murphyandson.co.uk](mailto:compliance@murphyandson.co.uk) or call +44 (0)115 978 5494

## Storage & Shelf life

- Store in cool conditions away from direct sunlight
- Keep in original container
- Keep containers sealed when not in use
- Maximum storage temperature is 15°C
- Recommended storage temperature is 10°C
- Do not allow the product to freeze
- The shelf life for a minimum 95% retention of available chlorine is 3 months under recommended storage conditions. Beyond this, a further loss of chlorine content will occur.

## Reference

<b>PRODUCT</b>	Antiformin S	<b>PRODUCT CODE</b>	ANTS
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<b>CREATED BY</b>	F.M.Maud	<b>AUTHORISED BY</b>	Dr Christine Fleming