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## STABISAN PRODUCT DATA SHEET

### TERMINAL DISINFECTANT

STABISAN is a highly concentrated detergent disinfectant based on a synergistic blend of amphoteric and quaternary ammonium compounds, which have broad-spectrum anti-bacterial and anti-fungal activities. STABISAN is a general disinfectant designed to be applied on surfaces, generally clean and in good repair with the aim to supplement other efforts at improving hygiene conditions.

STABISAN is ideal for use as a terminal disinfectant for processing equipment found in the Food Processing Industry, general hospital hygiene and other institutional applications.

STABISAN, when used at the recommended dilution levels is safe in the environment.

STABISAN can be applied via high-pressure washer, foamer, mops or fogging equipment.

STABISAN is a synergistic blend of amphoteric and quaternary ammonium compounds, non-ionic detergents, foam boosters and sequestrants and provides an excellent all-round detergent disinfection.

The mechanism of bacterial action of STABISAN is closely related to the surface activity of the active quaternary ammonium compound. The interaction of the bacterial agents with the cell wall interferes with the metabolic process of the microorganism and this causes the inhibiting or killing action.

### ADVANTAGES

- Broad spectrum against gram negative, gram-positive bacteria, yeasts, moulds and fungi.
- Effective in hard water conditions.
- Suitable for all equipment.
- Non-corrosive, non-staining.
- Can be applied manually, high-pressure washers, foam equipment or fogging.
- Low toxicity at use dilutions, with minimal effect on the environment.
- High active product, can be foamed at up to dilutions of 1:100.

## MICROBIOLOGICAL EFFICACY

STABISAN has been tested and found to be effective at a 1:100 dilution against the following micro-organisms.

- Escherichia coli.
- Pseudomonas aeruginosa.
- Staphylococcus aureus.
- Salmonella typhi.
- Newcastle Disease Virus
- Avian Influenza Virus
- Vibrio Cholera

## ACTIVE INGREDIENTS

Didecyl dimethyl ammonium chloride	4 - 8%
Alkyl benzyl dimethyl ammonium chloride	3 – 6%

## ACUTE TOXICITY

Oral: Didecyl dimethyl ammonium chloride	LD50(oral/rat) 1750mg/Kg
Dermal: Didecyl dimethyl ammonium chloride	LD50(dermal, rabbit) 13850 mg/Kg
Inhalation	Mists or sprays irritating to respiratory system
Eye	Irritant

## USE DIRECTIONS

STABISAN can be used at a dilution of up to 1:100.

If practical, a contact time of at least 20 minutes should be allowed for maximum bactericidal efficacy.

Dilutions: Lower Limit: 0.5% Upper Limit: 1%

## NOTE

In common with all QAC detergents, STABISAN is cationic and therefore is not compatible with normal anionic detergents and soaps.

## PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear blue liquid.  
Odour: QAC  
Density at 20°C: 0.99 – 1.01  
pH @ 25°C: 10.0 – 10.5  
Flammability: Non-flammable  
Oxidizing Properties: Avoid Strong Oxidants

## SAFETY PRECAUTIONS AND FIRST AID PROCEDURES

Do not allow contact with skin or eyes.

Eyes – Wear goggles. If in contact wash with plenty of water and seek medical advice

Skin – Wear gloves. If in contact wash with plenty of water.

Ingestion – Do not induce vomiting. Drink plenty of water and seek medical attention

Inhalation – Wear a mask. If inhaled, remove to fresh air.

Work with adequate ventilation.

## PACKAGING

STABISAN is packed in 25 liter, non-removable head, plastic jerrycans, square 1200 – 1300g fitted with screw cap and rubber gasket (torque 20Nm). The packaging meets Packing Group II and III tests. Each drum can handle any product with a specific gravity less than 1.8 and allow an internal test pressure of 100kPa. If preferred, product can be packed in 210 liter HDPE Blow Moulded Drums, round 10.2kg fitted with screw cap and rubber gasket. Each drum can handle any product with a specific gravity less than 1.8 and allow an internal test pressure of 100kPa.

## STORAGE

Store in closed containers in a cool, dry place. Prolonged exposure to high temperatures will have a detrimental effect on the product and its function as a disinfectant.



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