

M101 - Deep Clean Enzymatic

3X Concentrate

Bio-Enzyme Floor and surface cleaning technology

Bio Cleaning Solutions



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Advanced innovation in floor and hard surface cleaning technology

Floor and hard surface cleaning technology for Food Contact Surfaces

Double-action *M101 - Deep Clean Enzymatic* is the latest innovation in cleaning technology. The advanced formulation technology for removing greasy soils provides superior immediate cleaning of surface soils, comparable to industrial-strength floor cleaners. Secondly, the bioenzymatic action penetrates deep into the pores of the surface to attack and remove embedded residual soils.

Aerosolized grease and food spills collect particulate soils contributing to the build-up of grime on kitchen floors. Residual organics collect in the microscopic pores of the surface, cracks, corners, and grout. Floors are not clean as long as these embedded soils remain and detergents alone cannot penetrate these layers of residual grime. The organic deposits pack deep into surface irregularities and are capable of producing malodours and supporting unwanted insects and bacteria.

Our new technology removes this grime with dual technology unequalled by traditional surfactant chemistry. *M101 - Deep Clean Enzymatic* combines superior surfactant technology with bioenzymatic action. The enzymes contained within Deep Clean enzymatic work to break down fats & grease, whilst also breaking down starches which act as a glue, trapping dirt & other organics on the surfaces. This powerful combination provides exceptional ability to break down residual organic soils.

Regular use of *M101 - Deep Clean Enzymatic* removes layer upon layer of embedded grime, whilst avoiding the traditional challenge of increasing cfu counts on food contact surfaces by means of bacterial cleaning.

Continued use prevents future build-up of organic soil and grime keeping the floor truly deep-clean, odour-free and controls potentially harmful microorganisms.

Benefits

- Specifically designed for cleaning food contact surfaces where traditional bacterial based products cannot be used due to bacterial swab counts.
- Deep-cleans floors and grout by removing the grease and grime that collects in the pores of the floor surface
- Eliminates the greasy floor coating that causes slipperiness
- Improves freshness by controlling odours from residual organics packed into irregular floor surfaces
- Eliminates the need for rinsing after mopping
- Degrades residual organic soils that help support insects and other unwanted pests

Features

- Specifically selected highly effective enzyme combination to remove fats, grease & starch based stains.
- A proprietary inhibitory system that provides excellent product stability
- Readily biodegradable surfactants for improved cleaning
- Product is compatible with existing biological based fat/grease trap treatment products & will ensure higher throughput on the grease traps as the fats/grease will be pre-digested.

Please note that in terms of the relevant legislation the Directorate: Food Control administers, the onus is on the person in charge of a food premises to ensure that any substances used are effective and/or does not contaminate the foodstuffs handled on such a premises, including Biological and Enzymes. It is important to note that in this regard, the Foodstuffs, Cosmetics and Disinfectants Act, 1972 (Act 54 of 1972) states the following:

2. Prohibition of sale, manufacture or importation of certain articles.—

(1) Subject to the provisions of subsection (2) and section 6, any person shall be guilty of an offence—

(b) if he sells, or manufactures or imports for sale, any foodstuff or cosmetic—

(i) which is contaminated, impure or decayed, or is, or is in terms of any regulation deemed to be, harmful or injurious to human health; or

(c) if he sells, or manufactures or imports for sale, any foodstuff—

(i) which contains or has been treated with a substance not present in any such foodstuff when it is in a normal, pure and sound condition;

Further to the above, the Regulations Governing the General Hygiene Requirements for Food Premises and the Transport of Food, R.918, state the following in this regard:

(4) A surface referred to in sub regulation (1) and a facility referred to in sub regulation (2) shall be -

(b) cleaned and washed, as and when necessary, during and/or immediately after the handling of food, so that contamination of the food that comes into contact with any such surface or facility is prevented, and any such surface or facility shall, before food comes into direct contact therewith,

contain -

(ii) no remains of cleaning materials or disinfectants which may pollute the food.

The mentioned Act does not require for any substances used on a food premises for cleaning purposes to be approved by this Department.

The above is an extract of comment of the act by Mr. A. Pretorius Director (Mr. AWJ Pretorius pretoa@health.gov.za) is the chairperson of the Food Legislation Advisory Group (FLAG) and serves on a number of other committees that are relevant to the functions of the Directorate. Tel: +27 12 395 8799

Available Packaging

25 litre container(s)

Recommended Dilution Directions for concentrate

M101 - Deep Clean Enzymatic Concentrate can be diluted for various applications

For intense deep cleaning purposes we recommend the following dilution ratio:

It is recommended that M101 - Deep Clean in Use Concentrate can be diluted up to 1:3 (i.e.1 part Deep Clean Enzymatic added to 3 parts water).

The mixing solution is a guideline and is dependent on the required application and your evaluation of dirt to be cleaned.

Allow 5 – 20 minutes activation time.

Once diluted, use product on day of dilution.

The standard disinfection/sterilisation regime to be followed once the surfaces have been cleaned.

Product Characteristics

Enzymes:- Lipase/Amylase

Salmonella not detected

pH Range – 7.0 – 8.5

Appearance -Clear liquid

Fragrance - No fragrance added

Stability - 2 years at 2°-35°C

Storage and Handling

Store in a cool dry place. Avoid eye and skin contact. Wash hands thoroughly with warm, soapy water after handling.

Safety of M101 - Deep Enzymatic 30X

Toxicity testing conducted by outside laboratory revealed no acute oral toxicity, no acute dermal toxicity, and no acute inhalation toxicity at maximum dose.

Bio Cleaning Solutions, means Green Technology

This unique formulation meets the criteria for cleaner greener smarter program for green technology. The bio cleaning solutions designation is used for formulations that utilize biodegradable surfactants at a neutral pH, contains no phosphates, no solvents, and low concentrations of volatile organic compounds (VOC).

So it is safe for the user and the environment.

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