

TECHNICAL BULLETIN



19 Motivation Dve Wangara, WA, 6065 AUSTRALIA
T +61 8 9302 4000 | FREE 1800 999 196 | F +61 8 9302 5000

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Date of Issue: 4/4/2016

Last revision: February 2016

File C:\Users\Conrado Concepcion\AppData\Local\Temp\WordHelper\MemCleanEC2.docx

MEM CLEAN EC2

FUNGAL LIPASE 8000 POWDER

MEM CLEAN EC2

Contains <30 % Lipase

DANGER

May cause allergy or asthma symptoms or breathing difficulties if inhaled

Avoid breathing dust/fume/ gas/mist/ vapours/spray.
In case of inadequate ventilation wear respiratory protection.

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician. Dispose of contents/ container in accordance with local/regional/ national/international Regulations

EMERGENCY INFORMATION: Fire: Not flammable. Spills: Absorb onto earth or absorbant material. Transfer to clean

labelled containers and dispose of according to local regulations. Additional information is listed in the Material Safety Data Sheet.

ENZYME MEMBRANE DETERGENT

MEM CLEAN EC2 is an enzyme containing formulation for cleaning proteinaceous material from membranes.

Directions for Use: Dilute 1:10 with water and add by proportionating pump to feed water.



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CONTENTS L

BATCH NO.

T: +61 8 9302 4000 E: sales@environex.net.au
F: +61 8 9302 5000 W: www.environex.net.au
FREE 1800 999 196 19 Motivation Drive, Wangara, WA 6065



FUNGAL LIPASE 8000

DESCRIPTION

FUNGAL LIPASE 8000 is a purified, food grade lipase derived from a selected strain of *Rhizopus oryzae* which has not been genetically modified. It is characterised by its ability to hydrolyse triglycerides. **FUNGAL LIPASE 8000** complies with FCC recommended specifications for food grade enzymes and is approved as a processing aid in the FSANZ Food Standards Code. It is classified as triacylglycerol acylhydrolase, E.C 3.1.1.3

BENEFITS

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- Useful for the hydrolysis of triglycerides, primarily hydrolysing, short medium and long chain fatty acids at the 1 and 3 positions of mono-, di- triglycerides.
- Has the ability to hydrolyse a wide range of animal fats and vegetable oils.
- Active and stable over a wide pH range (4.5 – 8.5) at pH 7

CHARACTERISTICS

Activity :	80,000 LU/g
Form:	Off white powder
Odour:	Slight fermentation odour
Solubility :	Soluble in water
Kosher:	O.U.

APPLICATIONS

- Digestive preparations (pharmaceutical)
- Hydrolysis of fats and oils e.g. dairy, baking
- Feed preparations
- Sewage disposal or drain cleaner

EFFECT OF TEMPERATURE

FUNGAL LIPASE 8000 is effective up to 45 °C, with an optimum at 35 - 40 °C.

EFFECT OF pH

FUNGAL LIPASE 8000 very stable in a wide pH range (4.5 to 8.0) with an optimum of pH 7.

USE LEVEL

Initially evaluate **FUNGAL LIPASE 8000** at 0.005 – 0.02 % based on the triglyceride substrate weight. To ensure enzyme dispersion, pre-dissolve the enzyme in 5 – 10 times its own weight in clean, cool water. The **LIPASE** will be more effective if an emulsion exists.

PACKAGING

FUNGAL LIPASE 8000 is packaged in 25 Kilogram fibre drums. 1 Kg foil laminate bags are also available.

STORAGE

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In sealed containers, under cool, dry conditions, the loss in activity is normally less than 10% over one year. Storage life can be extended by storing under refrigeration at 5 °C.

CAUTION

Avoid contact with skin and eyes and avoid breathing dust.

PACKAGING

1, 25 kg packs

IMPORTANT NOTICE TO CUSTOMER

*Since the use of this product is beyond the control of either seller or manufacturer, their only obligation shall be to replace any quantity of product which is proven defective. They cannot assume any risk or liability in excess of the purchase price of the product itself, which does not include labour or any consequential damages resulting from the use of this product. Determining the suitability of this product for any intended use shall be solely the responsibility of the user. **ALWAYS TEST FIRST.***