



TECHNICAL DATA REPORT



Correspondence Address:
P O Box 2257
Clareinch
7740

FROM THE RESEARCH & DEVELOPMENT
LABORATORIES OF MOMAR, INC.

8 - ALIVE LIQUID BACTERIA DRAIN MAINTAINER

Description:

Combination of **5 strains** of "live" mutant bacteria and **7 different** enzymes that rapidly penetrates, digests, and liquifies the fat, oil, grease, cellulose, protein, and starch that collect in and slow or block drain systems and grease traps.

Benefits:

- * Eliminates odors and has a very pleasant fragrance
- * Very concentrated - **4 million bacteria per ml (4 billion per liter)**
- * Contains no Salmonella or other pathogenic bacteria
- * Safe in all drainage systems - does not contain dangerous acids, caustics, chlorines, bromines, or copper sulfate
- * Can reduce waste surcharges by lowering CODs and BODs

Application:

Mopping - Dilute 8-Alive with water at a rate of 15 to 125 ml per liter, depending on the amount of soil and desired fragrance. Apply with a mop and allow to dry.

Drain Treatment - Manual - Pour the recommended dosage in main drain line each night.

Diameter of Drain	Recommended Nightly Dosage
5 cm	125 ml
10 cm	250 ml
15 cm	375 ml
20 cm	500 ml

Grease Trap Treatment - Manual - Pour 5 liters of 8-Alive directly into the grease trap once per week.

Maintain-A-Drain - For best results, use the 8-Alive Maintain-A-Drain automatic treatment system for your drains and grease traps. Ask your Momar representative about how this system can help.

Specifications:

pH @ 25°C (ASTM-E-70)	7.5
Density @ 25°C (ASTM-D-287)	1.000g/ml
Color (visual)	White
Appearance @ 25°C (visual)	Opaque Liquid
Foam Height	Medium
Number of strains of bacteria and enzymes	5 bacteria, 7 enzymes
Bacteria Count	4 million cfu per ml
Odor	Sweet and fresh
Health / Flammability / Reactivity	0 / 0 / 0

MOMAR

8 INDULAND CRESCENT, LANSDOWNE CAPE TOWN
TEL: 021-6921295 FAX: 021-6913898 TOLL FREE: 0800 012053
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BACTERIA STRAINS IN MOMAR'S 8-ALIVE

	<i>Bacillus amyloliquefaciens</i>	<i>Bacillus licheniformis</i>	<i>Bacillus subtilis</i>	<i>Bacillus megaterium</i> **	<i>Bacillus pumilus</i>
Growth	Faculative*	Faculative*	Aerobic	Aerobic	Aerobic
pH range	6 - 10	5 - 10	4 - 10	5 - 10	6 - 10
Temperature (°C)	10 - 50	10 - 55	10 - 50	4 - 45	10 - 50
Protease (breaks down protein)	++	++	++++	+++	+++
Amylase (breaks down starch & carbohydrates)	++	++	++++	+	+
Lipase (breaks down fat & grease)	++	++	++++	+++	+++
Esterase (breaks down fat)	++	++	++++	+++	+++
Cellulase (breaks down cellulose)	++	+	++++	+++	++++
Xylanase (breaks down plant material)	++	+	++++	+++	++++
Urease (breaks down urea)	+++	++	++	++++	++

LEGEND

+	Moderate Activity
++	Good Activity
+++	Very Good Activity
++++	Excellent Activity
*	Faculative: capable of living and functioning either in the presence of oxygen (aerobic) or in the absence of oxygen (anaerobic)
**	<i>Bacillus megaterium</i> usually germinates in one hour or less. Most <i>Bacillus</i> strains require a minimum of four hours to germinate.

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