

Water Treatment.

SHER-ENZYME POWDER

Bio-Enzymatic Powder for Waste Digestion, Odour Control & Sanitation System Efficiency.

DESCRIPTION & APPLICATIONS:

A concentrated biological sanitation treatment containing selected aerobic and anaerobic bacterial cultures blended with specialized enzyme-producing nutrients. The product rapidly breaks down fats, oils, grease, proteins, starches, and other organic waste deposits, improving sanitation system performance and eliminating odor-causing accumulations.

The active bacterial cultures produce enzymes, including amylase, protease, cellulase, and lipase, that effectively digest waste in marine sanitation systems, holding tanks, drains, and wastewater treatment systems. Regular use helps reduce sludge build-up, prevent blockages, improve drainage efficiency, and maintain cleaner sanitation systems.

The powder formulation offers excellent storage stability, ease of handling, and long shelf life while providing an environmentally responsible, biodegradable, and non-corrosive solution for routine sanitation system maintenance.

FEATURES & BENEFITS:

- Concentrated powder formulation for easy storage and transportation
- Contains active aerobic and anaerobic bacterial cultures
- Produces naturally occurring enzymes for rapid waste digestion
- Breaks down fats, oils, grease, proteins, starches, and cellulose materials
- Reduces sludge accumulation in holding tanks and waste systems
- Eliminates foul odours at the source through biological action
- Maintains free-flowing drains and sanitation systems
- Helps prevent system blockages and grease build-up
- Fully biodegradable and environmentally responsible
- Non-toxic, non-corrosive, and safe for routine application

SHERAN CHEMICAL (UAE) |SHERAN HELLAS CHEMICAL (Greece)

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Manufacturing & Sales: Fujairah, UAE | Athens, Greece

Marine and industrial chemicals supplier worldwide.

CERTIFICATIONS & MARINE SUPPLY NETWORKS

ProcureShip SHIPSERV ISO 9001:2015 COMPANY

PS ID: 14754 TN-315946

DOSAGE & APPLICATION:

Start-Up Treatment

For new systems or heavily contaminated systems:

System Volume	Initial Dosage
1 m³ Tank Capacity	250 g
5 m³ Tank Capacity	1.25 kg
10 m³ Tank Capacity	2.5 kg
20 m³ Tank Capacity	5.0 kg

Allow 24-36 hours following start-up treatment for biological activation and establishment of bacterial populations.

Maintenance Treatment:

System Volume	Weekly Dosage
1 m³ Tank Capacity	50 g
5 m³ Tank Capacity	250 g
10 m³ Tank Capacity	500 g
20 m³ Tank Capacity	1.0 kg

Dissolve in warm water before application where practical and introduce directly into the sanitation system, holding tank, or drain network.

Drain & Fixture Treatment

When used as a sanitation cleaner:

Application Point	Dosage
Toilets	90 – 120 ml
Sinks	90 – 120 ml
Drains	90 – 120 ml
Scuppers	90 – 120 ml

Apply directly into the system in the same manner as conventional maintenance cleaners.

OPERATING PARAMETERS:

Parameter	Recommended Range
pH	5.5 - 8.5
Temperature	10°C - 44°C
Biological Activity	Continuous
Shock Chemical Treatment	Avoid
Chlorine Exposure	Minimize

ACTIVE ENZYME SYSTEM:

Enzyme	Function
Amylase	Digests starches
Protease	Digests proteins
Lipase	Digests fats and grease
Cellulase	Digests cellulose and fibrous waste

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TYPICAL PROPERTIES:

Property	Typical Value
Appearance	Free-flowing powder
Colour	Light Brown Powder
Biological Activity	Active Bacterial Culture
Enzyme Types	Amylase, Protease, Cellulase, Lipase
pH Operating Range	5.5 - 8.5
Temperature Range	10°C - 44°C
Aerobic Bacterial Count	Minimum 5 Billion CFU/g
Solubility	Dispersible in Water
Biodegradability	Fully Biodegradable

STORAGE & HANDLING:

Store tightly closed in a cool, dry, ventilated area away from heat and sunlight, following standard SDS safety guidelines.

SHELF LIFE:

36 Months from the date of manufacture when stored under recommended conditions.

STANDARD PACKAGING:

- 500 g HDPE Jar
- 1 kg HDPE Jar
- 5 kg HDPE Pail

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