

# SEWAGE care AEROBIC

## MATERIAL & SAFETY DATA SHEETS

<b>PRODUCT</b>	SEWAGE CARE AEROBIC
<b>SHEET VERSION/DATE</b>	1.1 / 02Apr18

**1. PRODUCT AND COMPANY IDENTIFICATION**

Function	Accelerated degradation of organic sludge in aeration tanks
Description	Sewage CARE Aerobic is a high potency, bacteria-laden, powdered formulation specifically designed for use in degrading many types of waste. Sewage CARE Aerobic contains a specially isolated blend of microorganisms, macronutrients and surface tension suppressants/penetrants. Sewage CARE Aerobic contains a unique and proprietary blend of psychrophilic microorganisms that are naturally occurring bacteria. Because of the diversity of the microorganisms and enzyme systems, incorporated into this product, it is excellent for use in Municipal and Industrial Wastewater applications. The safe, naturally occurring bacteria are present in high numbers to handle difficult to treat wastewater problems.
Manufactured at	Survey No. 271/8, Ingawale Patil Estate, Paud Road, Pune (India) - 412115
Emergency contact	+91 98 1603 1603

**2. AREAS OF APPLICATION**

Sewage carrying drains  
Sump Tanks  
Collection systems.  
On Site Wastewater Treatment Facility.

**3. BENEFITS & ADVANTAGES**

Helps keep sewage drains, sump Tanks and STP trouble free.  
Reduces back-ups, pumping AND ULTIMATELY SAVING IN ENERGY.  
Reduces odor upto 95 %, surface scum to the tune of 80% and bottom solids by more than 50%.  
Degradation of Fats, Oils, Grease, Starches, Proteins, Animal Fats, Triglycerides,  
Foaming Surfactants, Soap, Phenols, Sludge & Amines  
Elimination of Odors.  
Reduction in BOD, COD & TSS

**4. DIRECTION FOR USE:**

Mix contents well. For better mixing in large systems, mix the powder @ 1:10 in water before use. Additions can be done manual or with closing pump. The characteristics of your system will determine exact dosage. Please contact your dealer/ supplier for more details.

*Precautions: While this product is non-toxic, non-corrosive and non poisonous, it is nevertheless wise to keep it out of reach of children, and to follow basic precautions of use. Wash hands with warm, soapy water after use. Avoid contact with eyes, open cuts or sores. In case of eye contact, flush with water for 15 minutes. Call a physician. Do not use this container for storing beverages or other liquids. Contains Bio Active Formulation contains no phosphorus.*

**5. PRODUCT CHARACTERISTICS**

pH range	6.5-8.5
Flash point	Non-flammable
Appearance	Off white powder
Bacterial Enzyme Production	Protease, Lipase, Amylase, Urease, Cellulase
Bacterial Count	1 x 10 <sup>16</sup> cfu's per gram
Pack size	1 x 10 kg
Shelf Life & Storage	2 years at 2 <sup>o</sup> C to 35 <sup>o</sup> C. Store in cool, dry place

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**6. DESCRIPTION/PROPERTIES** (nature, reactivity)

This is a unique, rapid-acting formulation that reduces odor and surface scum in 24-48 hours, accompanied by reduction of bottom solids, Chemical Oxygen Demand (COD), Biological Oxygen Demand (BOD) and Total Suspended Solids (TSS) on a continuous basis.

**7. COMPOSITION / INFORMATION ON INGREDIENTS**

Non pathogenic organisms  $1 \times 10^{16}$  — NOT CLASSIFIED AS HAZARDOUS

Summary of Chemical Hazards Rating

Health (Internal toxicity)	None
Flammability	None
Reactivity	None

**8. HAZARD IDENTIFICATION**

Fire/Explosion Hazard (stability, flammability, combustion products)

Not classified as flammable or combustible material. Aqueous suspension.

Health Hazard (inhalation, ingestion, contact with skin or eyes)

Not classified as hazardous for use. May cause irritation on prolonged or repeated skin contact. As with all surface—active chemicals, care should be taken to avoid prolonged skin contact. Low risk from inhalation. Low order of acute oral toxicity but do not ingest.

Environmental Hazard

Not classified as hazardous to the environment.

**9. FIRST AID MEASURES**

Inhalation : Very low risk in normal usage since product is non—volatile. Mist may cause irritation to the respiratory tract. If affected, remove to fresh air, keep warm and at rest. Obtain medical attention in severe cases.

Skin Contact : Avoid unnecessary contact and keep away from broken skin or open wounds. Wash thoroughly all affected areas with soap and water. Remove contaminated clothing and launder before re-use. Wash hands before eating or drinking.

Eye Contact : Irrigate with plenty of clean running water. Seek medical attention if irritation persists.

Ingestion : Do not swallow, rinse out mouth with water. Do not induce vomiting. If swallowed in quantity seek medical attention as a precautionary measure. Material may cause stomach disorder. Irritation of the mouth, pharynx esophagus and stomach can develop following significant ingestion.

**10. FIRE FIGHTING MEASURES**

Suitable extinguishing media:

Since the product is not combustible or flammable, if involved in fire, use extinguishing media appropriate to the source of the fire.

Protection for firefighters:

Wear self-contained breathing apparatus. Wear protective clothing.

**11. ACCIDENTAL RELEASE MEASURES**

Personal Precautions	Mark contaminated area with signs & prevent access to unauthorized personnel. Use excess water to clean
Environmental Precautions	Product is not environmentally hazardous, on the contrary it favors digestion of oils & grease in sewers & WWT facilities.
Clean Up Procedures	Disperse spillages with large excess of water.

**12. HANDLING & STORAGE**

Handling	After handling wash hands with soap and water.
Storage	May be stored for period of one year in plastic containers as supplied. Avoid temperatures above 45 <sup>o</sup> C and protect from frost. Keep in cool and dry place. Use in 8 hours of dilution.

**13. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Engineering Controls	Provide eyewash station
Personal Protection	Hand - Use of rubber gloves recommended. Eyes - Use of safety glasses recommended.

**14. PHYSICAL & CHEMICAL PROPERTIES**

Appearance	Off white	pH Value	7.5 at 10% Solution
Solubility in water	Springly Soluble	Fragrance	Natural organic

**15. STABILITY & REACTIVITY**

Stability	Stable
Materials to avoid	Avoid contact with strong oxidizers. Strong acids or alkalis may render the product inactive.
Temperature	Avoid extremes of temperatures

**16. TOXICOLOGICAL INFORMATION**

Health Effects	
Respiratory	Mist may cause irritation to the respiratory tract if fine particles are breathed in when it is dissolved in water.
Skin	May cause irritation on prolonged or repeated skin contact.
Eyes	May cause irritation.
Ingestion	May cause irritation in gastrointestinal tract-nausea, vomiting symptoms

**17. ECOLOGICAL INFORMATION**

Degradability	All components are readily biodegradable.
Bioaccumulation	No bioaccumulation is expected.

The product is biodegradable and water-soluble.

**18. DISPOSAL CONSIDERATION**

Disposal methods      Dispose of under Local Authority Guidelines

**19. TRANSPORT INFORMATION**

Not classified as dangerous for transport.

**20. REGULATORY INFORMATION**

Not classified as hazardous for use.

**21. SAFETY PHRASES**

S2      Keep out of reach of children.

S26     In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S46     If swallowed seek medical attention and show the container or label

**22. OTHER INFORMATION**

Multi-purpose Cleaner

*Please Note: The information in this Safety Data Sheet is based upon knowledge available at the time of compilation. It is intended to describe the product only in terms of Health & Safety requirements. It does not signify any warranty with regards to specific properties or specifications.*