



# AmSolv®

Total Water Management

## AmZyme 6602™

### Industrial Water Treatment Compound

### Biological Waste Water Treatment & Odor Control

### Granular Biological Remediation

#### DESCRIPTION:

**AmZyme 6602™** is a 4-strain biological organism chemical treatment system that biodegrades greases, fats, oils, proteins, starch, carbohydrates, and a wide range of organic materials. The various strains of bacteria were selected according to each strain's superior enzyme production. Rapid production of lipase, protease, amylase and cellulase enzymes accelerate degradation of organic material. It reduces and degrades organic solids to liquids and ultimately to water and carbon dioxide. It reduces BOD and COD levels in any wastewater.

**AmZyme 6602™** is used in waste water or sewage treatment plants of any size, lagoons, clarification ponds, sludge digesters, pump stations and lift stations, grease traps, septic tanks, drain fields, latrines, and in ground and soil remediation of hydrocarbons and other contamination where ever organic material may be degraded. It reduces organic loading of septic systems, drain fields and cesspools, improves biological stability in any process, and eliminates foul odors due to organic build up.

#### ADVANTAGES:

**AmZyme 6602™** contains 5 billion CFU (colony forming units) per gram of product. It provides superior degradation in both aerobic and anaerobic environments. It contains four different microorganisms that are in the spore state and three in the vegetative state to give optimal performance. The product contains a unique blend of nutrients and macronutrients to aid and enhance immediate biological activity. It provides accelerated degradation through each bacterial strain's superior enzymatic activity.

**AmZyme 6602™** comes conveniently packaged in 8 ounce (½ pound) water-soluble bags.

#### DIRECTIONS:

**Trickling Filters:** Dosage and Treatment: Initial Treatment: Use 1 to 5 pounds (2 to 10 bags) per million gallons of daily flow. The required amount can be added to either the primary settling tank or to the siphon tanks. This should be mixed in water and batch treated with a feed pump. If necessary, this treatment can be repeated in 48 hours. Preventative Maintenance: After biology on filter media has been established use 0.5 to 2.5 pounds (1 to 5 bags) per million gallons of daily flow once each week in a batch treatment as recommended in initial treatment. The plant operator will want to determine the most economical level of use for his particular load and processing conditions.

**General odor control:** Initial Treatment: Use 1 pound (2 bags) per 1000 cubic feet (approximately 7,500 gallons) of sewage capacity in the digester once each week for 4 weeks. Treatment should be applied through the sludge pump. Preventative Maintenance: Use 8 ounces (one bag) per 1000 cubic feet of sewage in the digester each month. For very badly overloaded systems where there is a heavy scum formation, the initial treatment should be doubled and should be made for an additional four weeks.

**Fabric cleaning and Deodorizing:** Initial Treatment: Use 1 pound (2 bags) each week for smaller lagoons and proportionately more for larger ones. Preventative Maintenance Treatment: Use 8 ounces (one bag) twice weekly for small lagoons and more for larger ones. Add directly to lagoon surface, or add to sludge pump wet well several days before transfer to lagoon. **GREASE TRAPS:** Initial Treatment: Mix 1 bag into one gallon of warm water for each two traps or per each 100 gallons of grease trap capacity and either flush down drain to trap or pour directly into trap. With a programmable time injection pump feed 2 ounces of product mixed with 1 gallon water every day for 4 weeks or until conditions clear. Treat prior to longest non-use period (overnight should be adequate). Repeat daily for 4 weeks or until systems are functioning properly.

**Grease Traps, drain lines, septic tanks, and commercial toilets:** Initial Treatment: Add 8 ounces (one bag) mixed with 1 gallon of warm water every week for 25,000 gallons of tank capacity. For easiest application, simply flush the solution down the toilet bowl and into the septic tank. The application may be made by programmable time injection pump into other drains that empty into the septic system.

**Sewage disposal plants, feed lots, settling tanks:** use pump to apply at a rate of 20 gallons per million gallons (20 ppm) of waste water per day for the first 5 days. Thereafter, apply 10 gallon per million gallons (10 ppm) of sewage daily. Apply directly to inlet waste water, collection pits, ponds, drain, settling tanks or filters. Bacterial activity should maintained through product addition for 30 to 90 days for maximum results.

#### CAUTION:

Do not ingest. If this should occur, drink large volumes of water and seek medical attention. Store in a dry place. Keep container sealed when not in use to prevent contamination. Rinse empty container before discarding in an authorized landfill site. KEEP OUT OF REACH OF CHILDREN.

**CAS NUMBERS:** Water 7732-18-5; Bacteria Culture (Mixture); Nonylphenol Polyethoxylate 9016-45-9.

**HMIS RATING:** Health-1; Flammability-0; Reactivity-0; Personal Protection-A.

**DOT:** NON-HAZARDOUS

**UN:** NON-HAZARDOUS

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