

**Sew Clean® is the only safe and effective environmental solution to eliminate problematic clogs and nasty odors from black water systems**

**Sew Clean®** builds upon the proven **Barnacle Buster®** formula and takes it one step further. Special attention has been given to ensure that foam and bacteria are significantly reduced while flushing. Like all of TRAC's products, **Sew Clean®** is non toxic, biodegradable and safe to use with all types of materials commonly found in black water systems.

**Why use Sew Clean?**

**Sew Clean®** is the most effective alternative when it comes to removing uric scale from deep inside black water systems. Formulated specifically to target uric scale and clean sewage systems from toilet to tank, **Sew Clean®** will dissolve clogs which cause plumbing to overflow and create nasty odors.

**Sew Clean®** has been designed to provide impeccable results without having to remove any piping or create a mess. **Sew Clean®** can be used by one of two methods:

- **Immersion:** Isolate the tanks, fill the entire system, and let stand for 24 hours.
- **Circulation:** Isolate the tanks, connect circulation equipment, and recirculate.

**Sew Clean® is sold in concentrated form. One gallon of Sew Clean® will make 5 to 8 gallons of ready-to-use solution.**  
 (depending on dilution rates)

**Availability**

1 gallon , 5 gallon pail, 55 gallon drum  
 or a 250 gallon tote tank

**Safety**

- When used as directed, **Sew Clean®** is non-corrosive to most metals commonly found in black water systems.
- **Sew Clean®** is biodegradable & can be disposed through regular sewer system.
- **Sew Clean®** is safe for your personnel.
- **Sew Clean®** passed the California Fish Toxicity Assay Test, Department of Hazardous Substances (Title 22) and complies with NSF International standard 60.
- Based on current EPA guidelines, **Sew Clean®** is classified as non-flammable and meets all requirements regarding hazardous and dangerous materials.



**Pipe gallonage chart**

Diameter Inches	Length in feet			
	1	5	10	20
1	0.04	0.2	0.4	0.8
2	0.16	0.8	1.6	3.2
3	0.37	1.84	4	8
4	0.65	3.26	7	13
5	1.02	5	10	20
6	1.47	7	15	29
7	2	10	20	40
8	2.61	13	26	52
9	3.31	16	33	66
10	4	20	41	82
12	6	29	59	118
14	8	40	80	160
16	10	52	104	208

**FAST SAFE NON-TOXIC BIODEGRADABLE NON CORROSIVE NON HAZARDOUS**

## ***Small Boat Black water system cleaning instructions.***

### ***What product do I use?***

- Although there are many black water treatment products on the market today, most are odor masking agents, and none of them actually clean the system itself. Only **Sew Clean**<sup>®</sup> removes uric scale and salt calcium build up from within the system.

### ***How much Sew Clean<sup>®</sup> do I need?***

- Since most black water systems use approximately 1 US gallon per flush, one quart of **Sew Clean**<sup>®</sup> per head is all that is needed.

### ***When to use Sew Clean<sup>®</sup>?***

- If you notice strong odors being emitted from the heads, have a blockage or a flow problem, chances are scale deposits within the system's pipe/hoses are to blame.
- As a general rule of thumb, cleaning your black water system should be done once every 6-12 months, as preventative maintenance. This is even more important when the system uses salt water for flushing.



### ***Cleaning Instructions:***

1. Make sure to notify everyone onboard **NOT** to use the head while the system is being treated.
2. Inspect the system's piping to make sure there are no leaks. Then turn off the sewage treatment system.
3. Starting with the highest head to the lowest head, add 1 quart of **Sew Clean**<sup>®</sup> per head, making sure not to spill any, and flush each head **once only**.
4. Once all the heads have been treated and flushed, the low lying section of the pipes/hoses will be filled with **Sew Clean**<sup>®</sup>, the mixed solution will need to stay in the system for 6 to 12 hours, not to exceed 24 hours.
5. After the treatment period, flush each head a minimum of 10 times to remove any loosened residue.

Note: The black water tank will need to be pumped out and the sewage treatment additives replaced after each **Sew Clean**<sup>®</sup> application.

### ***Warning***

- Before you start, it would be a good idea to protect flooring from any accidental splashing. Although **Sew Clean**<sup>®</sup> is safe, non-toxic, and biodegradable, it may discolor certain porous surfaces like marble or brass.
- Care should be given when **Sew Clean**<sup>®</sup> is used with zinc based metals such as zinc anodes, tin, or galvanized materials