

BioQuest SST-850 and VaporTek Disks

These products reduce odor and encourage break-down of waste in our privies. North Maine Woods and DOT use them in their privies and rest area facilities and speak highly of the products.

(1) "VaporTek SCS Disk 34-7625" (<http://www.vaportek.com/simple-clip-system-disks/>) designed to mask foul odors. It is suggested to leave this on the floor in the corner of the privy.

(2) "BioQuest SST-850" (<http://mountaintopfellowship.org/productpage.html>) designed to encourage break-down of waste in privies. **Below are important considerations:**

- BioQuest should be stored above freezing in an air-tight container. It has a shelf-life of two years.
- Add from late May to early September. Warm temperatures are needed to maintain bacterial activity.
- If you wash the seat with a cleaning agent, do not pour waste-water into hole as it will deactivate microbes.
- Wear provided disposable gloves when handling BioQuest, and wash your hands afterwards. Avoid breathing the dust and contact with open wounds, eyes, and mouth.

Kit Contents:

- 2.5-gallon zip lock bag- this holds the contents of the kit and can be used for application. Alternatively, 1-2 gallon-sized paint cans can be used to store kit contents and then as a heating pot (see below).
- One, 1-quart container with 2 bags of BioQuest. Each bag contains 4 Tablespoons of BioQuest
- Disposable gloves
- VaporTek deodorant disk
- This instruction sheet, which includes links to MSDS (Materials Safety Data Sheets) for respective products
- **Not in the kit:** You will also need to bring a cook stove, fuel, lighter/matches, and pot (2-quart size or larger recommended) as warm water is required to activate the microbes.

Ideally BioQuest is added monthly, though it is not expected we can do this at our remote locations.

- For 2 applications a year, use 4 tablespoons (1 bag) with 2 gallons of warm water on both visits.
- For 4 applications a season, mix 2 tablespoons (1/2 bag) of powder with 2 gallons of warm water.

Instructions to add to the privy:

- Heat 1 gallon (4 quarts) of water over a camp stove. If you have a 2-quart pot, you will need to do this twice.
 - Add the hot water to the 2.5-gallon plastic bag, or paint can.
- Add 1 gallon of cold water to the 2.5-gallon plastic bag, or paint can; the mixture should be lukewarm.
 - The "bugs" do not prefer conditions that are either too hot or too cold. Like with bread, think of yeast reconstituting temperatures- warm, but not too hot to hold you hand in.
- Depending on the number of anticipated applications during the season, add 2 Tablespoons (1/2 bag) or 4 Tablespoons (1 bag) of BioQuest to the 2 gallons (8 quarts) of warm water,
- Mix the solution well, and let stand for 20-30 minutes to activate.
- Pour into the privy. Expose as much of the pile to the mixture as possible to promote good activity.

MSDS (Material Safety Data Sheet) for BioQuest (SST-850)

<http://www.bio-quest.com/msds/SDS SST-850.pdf>

MSDS (Material Safety Data Sheet) for VaporTek Disks

<http://www.vaportek.com/wp-content/uploads/2016/01/Pads-Membranes-SDS-US.pdf>