

Cleaning Procedure Bottling Line	SOP # MB SSOP100-IP02-01
Last update January 18, 2012	

**Purpose:**

Provide clear and consistent direction for process of cleaning bottling lines

**Objective:**

Following this instruction will provide results in sanitation which meet QA specified ATP swab results on all packaging equipment on the bottling line.

**Scope:**

The prescribed method will be utilized for all equipment cleaning at the specified intervals.

**Responsibility**

It will be the responsibility of the Line Supervisor to monitor and document this process and to communicate any deviations from required process results. QA approval is required to run any time results do not meet standards. It is both the bottling line supervisor and the winery representative responsibility to contact QA for approval to run.

**Procedure**

1. Place all CIP cups on all valves and crack drains slightly to assure flow
2. Connect wash hose from product in-feed piping to bottom of filler
3. Assure correct flow is set up for production either thru or by-pass filter housing
4. Place wash out tank (30 gal can) next to truck inlet piping
5. Connect short hose to pump suction and place open end in wash tank
6. Connect short hose to pump discharge and open end to truck inlet piping
7. Connect another hose to filler overflow outlet piping and place open end in wash tank
8. Fill wash tank with 25 gallons of water ( hot if possible)
9. Start pump and wait for return flow to flow back from filler
10. Fill tank again to 2/3 full
11. Add 1LB FilmAway HD –( Potassium Hydroxide) cleaning powder to wash tank.
12. Start pump and check Ph of return solution with Ph meter
13. Ph must be between 11.5 & 12 If it is not slowly add FilmAway HD until correct Ph is obtained
14. Allow circulation for 10 minutes
15. Remove filler return line from wash tank and run pump until tank is almost empty (less than 5 gallons)

16. Stop pump
17. Dump rest of solution in wash tank to drain
18. Fill tank with clean water
19. Assure return line is still out of tank
20. Start pump
21. Continue to add water to tank to assure it does not go empty
22. Monitor Ph of return solution going to drain
23. Continue to flush until a Ph of < 8 is obtained
24. Stop pump
25. If you will not be running a sterilization right away go to next step If you are going to sterilize now go to sterilization SOP
26. Disconnect all hoses from pump and store as necessary
27. Store tank as necessary

**This process must be followed up with a sterilization process prior to running**