

LOCATION OF WORK:	WRITTEN BY:	APPROVED BY:	DATE :	LAST REVISION:
All Schools	L. Carriere	Terry Salt Dave Seniuk	Sept 14, 2017	New

HAZARDS PRESENT	ADDITIONAL REQUIREMENTS
<ul style="list-style-type: none"> <li>Chemical skin/eye irritation</li> <li>Splash</li> </ul>	<ul style="list-style-type: none"> <li>Equipment orientation and teacher instruction.</li> <li>Appropriate footwear. Shoes must be fully enclosed, no open toes. E.g. sandals</li> <li>WHMIS training</li> <li>Safety Glasses while dispensing</li> </ul>

### SAFE WORK PROCEDURE

**The Health inspector now requires schools to use sanitizing solution in all food preparation areas in schools. The Swish dispensing units now have an additional dispenser for Sanitizing solution.**

"Quats" are active against a wide variety of microorganisms. Unlike bleach, "quats" are odourless and colorless. And, also unlike bleach, they are non-corrosive, so they are be safer to use over time with metal equipment and surfaces. Their antimicrobial action is varied and selective, but they are generally as effective as bleach/chlorine solutions.

#### PROCEDURE:

- Quato 44 sanitizer (200ppm):
  - Is the only sanitizing solution that is allowed to be used in the school division. Bleach is not allowed.
  - Old sanitizer must be discarded and containers must be filled fresh daily.
  - Sanitizing solution is dispensed daily from the custodial dispenser and tested to ensure it meets the 200ppm sanitizing concentration using Quato pH test strips.
- Each dispensing unit has two sanitization settings, one for bottles and one for pails. Turn the dial on the dispensing unit to the appropriate Sanitizer setting.
- Turn the cold water on full. Note: water must be on full, not partial, otherwise the unit will not dispense the correct concentration of sanitizer. This is applicable for all chemicals in the dispensing unit.
- Dispensing water temperature must be cold. Hot water will give an inaccurate concentration measurement (very high concentration).
- Turn the dial on the hose splitter to divert water through the dispensing unit.
- Press the appropriate dispensing button and allow the water to run for 30 seconds to 1 minute to clear the lines of excess water or other chemicals. Note: missing this step may cause the solution concentration to be either too low, too high or mixed with other chemicals.
- Place a bottle or pail beneath the hose and press the appropriate dispensing button. Fill the bottle or pail to the desired height. Release the button to stop the solution from dispensing.

8. Test the sanitizing solution to determine the concentration using Quato 44 test strips.
  - Remove the foil covering the paper roll in the plastic roll holder.
  - Place the roll back in the dispenser so that you can tear off strips of the paper for testing.
  - Do not throw the information inside the dispenser away. One side has the instructions, the other, the colour reference chart.
  - TEST to make sure that the solution is strong enough to sanitize.
    - Tear off a small piece of test paper
    - Dip the test paper into the solution for 10 seconds.  
Note: if using the 0-1000 test paper you do not need to hold it for 10 seconds.
    - Test paper must be placed into the solution. Do not test the foam – it will give an inaccurate test result.
    - Quato test strips are colorimetric. Compare the test paper to the colour reference chart on the side of the package.
    - The Quato solution must be a minimum 200 PPM. Sanitizing solution should be as close to 200ppm as possible. Maximum strength allowed is 300ppm but no higher. Solution should be as close to 200ppm as possible.
    - If the solution is below 200, add more Quato concentrate. If the solution is above 300, you must dilute down.
    - If your dispenser consistently gives out concentrations either too high or too low please let your supervisor know. The dispenser will need to be re-calibrated.
9. Sanitizing solution is only good for 12-24 hours. After this period of time the concentration starts to increase. Please ensure that bottles are emptied and refilled daily.



## REGULATORY REQUIREMENTS

- WS&H Act W210, Section 4, 5, 7, 7.1
- Mb. Regulations 217/2006,
  - Part 2, Safe Work Procedures
  - Part 35, WHMIS
  - Part 36, Chemical Biological Substances
- Public Health Act; Regulations & Guidelines
- Department of Agriculture
- Industry Standards
- Swish Company