

**4626.0805 4-501.114 MANUAL AND MECHANICAL WAREWASHING EQUIPMENT; CHEMICAL SANITIZATION, TEMPERATURE, PH, CONCENTRATION, AND HARDNESS.\***

A. A chemical sanitizer used in a sanitizing solution for a manual or mechanical operation at the exposure times specified in part 4626.0905, item C, shall be listed in Code of Federal Regulations, title 21, section 178.1010, or in Minnesota Statutes, chapter 31. The sanitizer shall be used according to this part and the manufacturer's label approved by the federal Environmental Protection Agency.

B. The sanitizer shall not exceed the amount specified on the manufacturer's label approved by the federal Environmental Protection Agency.

C. If a sanitizer is used in an amount less than the maximum amount specified on the label in item B, the sanitizer shall be used as specified in this item.

(1) Unless the product label specifies otherwise, a chlorine solution shall have a minimum concentration of 50 ppm and:

(a) a minimum temperature of 24 degrees C (75 degrees F) for water with a pH of eight or less; or

(b) a minimum temperature of 38 degrees C (100 degrees F) for water with a pH of 8.1 to 10.

(2) An iodine solution shall have:

(a) a minimum temperature of 24 degrees C (75 degrees F);

(b) a pH of 5.0 or less, unless the manufacturer's use directions included in the labeling specify a higher pH limit of effectiveness; and

(c) a concentration between 12.5 mg/L and 25 mg/L.

(3) A quaternary ammonium compound solution shall:

(a) have a minimum temperature of 24 degrees C (75 degrees F);

(b) have a concentration specified in part 4626.1620 and as indicated by the manufacturer's use directions included in the labeling; and

(c) be used only in water with 500 mg/L hardness or less or in water having a hardness no greater than specified by the manufacturer's label.

D. Mechanical warewashing equipment shall be equipped with a visual or audible warning device to permit the operator to easily verify when the sanitizing agent is depleted.

E. Other chemical sanitizers may be used if they are applied according to the manufacturer's use directions included in the labeling.

**Statutory Authority:** *MS s 31.101; 31.11; 144.05; 144.08; 144.12; 157.011*

**History:** *23 SR 519*

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