

occupational soil from painted surfaces and in general soil removal from flooring, ceilings, and equipment, by application from solution with a cloth, mop, brush, or spray equipment.

3. REQUIREMENTS.

3.1 The compound shall be a uniform product, free from any objectionable odor, and shall contain synthetic organic detergents. It shall contain no abrasives or fatty acid soaps and shall be nonirritating to the skin. It shall be satisfactory for use in floor and wall maintenance cleaning operations with soft or hard water.

3.6.21 *Liquid; regular (10 percent active) type II, class 1.*—A solution of 1 percent by volume (one volume of compound to 99 volumes of synthetic hard water) shall exhibit a cleaning efficiency of not less than 80 percent.

3.6.22 *Liquid; concentrate (20 percent active) type II, class 2.*—A solution of one-half percent by volume (one-half volume of compound to 99.5 volumes of synthetic hard water) shall exhibit a cleaning efficiency of not less than 80 percent.

3.10 Labeling.—

3.10.1 *For powder or flake; liquid; concentrate (20 percent active); paste. For type I; type II, class 2; and type III.*—Each container of detergent of specified type and class, where applicable, shall be durably and legibly marked with the following information, precautions, and directions for use:

A nonabrasive detergent for use in hard and soft water for the general maintenance and cleaning of floors, walls, and woodwork. Caution: do not use on aircraft surfaces.

Directions for use.—Add $\frac{1}{2}$ to 1 ounce of detergent to each gallon of warm water used. Increase this amount of detergent but not to exceed 4 ounces of detergent to each gallon of warm water if required to clean in hard water solution or to clean heavily soiled surfaces. Prepare fresh solutions when cleaning solution becomes dirty. Rinse the washed surfaces with fresh water to remove loosened soil.

3.10.2 *For liquid, regular (10 percent active). For type II, class 1.*—Each container of detergent of specified type and class, where applicable, shall be durably and legibly marked with the following information, precautions, and directions for use:

A nonabrasive detergent for use in hard and soft water for the general maintenance and cleaning of floors, walls, and woodwork. Caution: do not use on aircraft surfaces.

Directions for use.—Add 1 to 2 ounces of detergent to each gallon of warm water used. Increase this amount of detergent but not to exceed 6 ounces of detergent to each gallon of warm water if required to clean with hard water or heavily soiled surfaces. Prepare fresh solutions when cleaning solution becomes dirty. Rinse the washed surfaces with fresh water to remove loosened soil.

6.1 *Intended use.*—The detergent covered by this specification is intended for use in hard and soft water for general maintenance and cleaning of floors, walls, and woodwork. It is a nonabrasive type cleaner and is safe to use on painted surfaces, linoleums, asphalt, and rubber tile flooring.

Federal Specification P-D-425c, Dishwashing Compound, Machine

1. SCOPE AND CLASSIFICATION.

1.1 *Scope.*—This specification covers free-flowing, solid form dishwashing compounds suitable for use in spray-type mechanical dishwashing machines.

3. REQUIREMENTS.

3.1 *Material.*—No agents shall be used which contribute to excessive foaming under conditions of use.

3.2 *Odor.*—Dishwashing compound shall be free from objectionable odor in dry form.

3.3 *Foaming.*—Compound shall not foam to the extent as to interfere with soil removal and rinsing of utensils and dishes during dishwashing.

3.15 *Fineness.*—The particle size of mechanical mixture of ingredients shall be normally uniform in order to minimize segregation of the ingredients.

3.17 *Workmanship.*—The material shall be thoroughly mixed and present no evidence of segregation of individual constituents or of lumping or caking.

5. PREPARATION FOR DELIVERY.

5.1.1.1 *Two pounds.*—Each box shall be lined with a sealed glassine or wax paper or other suitable liner material to prevent contents from sifting, and for protection against atmospheric or contaminating conditions.