

3.4.2.3. *Ink*.—Ink in sufficient quantity to write a line not less than 5,000 feet in length, shall be contained in the ink tube.

3.5.5. *Drying time*.—Writing shall dry within 5 seconds and shall not smear.

3.5.6. *Feathering*.—Writing shall not feather or spread.

3.5.7. *Penetration*.—After 48 hours writing shall not have penetrated to the reverse side of paper.

3.5.12. *Reproduction capability*.—All colors shall be capable of reproduction by microfilming and black ink shall be capable of reproduction by thermography, dry copying, and direct-image offset processes. The writing shall be distinct and legible.

Federal Specification H-T-560, Toothbrush (Adults and Child's)

1. SCOPE AND CLASSIFICATION.

1.1 *Scope*.—This specification covers the requirements for toothbrushes suitable for use by adults and children.

3. REQUIREMENTS.

3.1.1 *Handle stock*.—The handle stock for the adult's and children's toothbrushes shall be made of suitable plastic, fire retardant, impact resistant, solid or transparent in color, and free from objectionable odors. The finished handles shall not soften when tested.

3.1.2.2.1. *Fastness to boiling water stiffness*.—The plastic bristle stock shall show no marked discoloration or appreciable change in stiffness when tested.

3.2.1.1. *Adult's toothbrush*.—The handles for the adult's toothbrush shall be not less than 6 inches in length.

3.2.1.2. *Child's toothbrush*.—The handles for the child's toothbrush shall be $4\frac{3}{4} \pm \frac{1}{4}$ inches in length.

3.3 *Finish*.—The bristle stock shall be neatly and evenly trimmed according to type and the handle stock shall be smoothly finished with rounded corners.

3.4 *Identification marking*.—Each toothbrush shall be permanently and legibly marked with the manufacturer's name or easily identified trademark embossed or stamped on the handle stock.

3.5 *Workmanship*.—All surfaces of the finished toothbrushes shall be smooth and uniform in texture. The toothbrushes shall be clean and free from sharp edges or corners.

Federal Specification W-F-421b, Flashlights, Electric, Hand

1. SCOPE AND CLASSIFICATION.

1.1 *Scope*.—This specification covers flashlights of tubular construction for general use and for rough service.

1.2 *Classification*.—

1.2.1 *Classes and sizes*.—

Class 2: General Service.

Size 1: Two cell.

Size 2: Three cell.

3.3 *Design*.—

3.3.1 *General*.—The flashlights shall be of tubular construction and shall project their beam longitudinally. They shall be furnished complete with lamps but without dry cells.

3.3.3 *Switch*.—The switch shall be mounted on the side of the case and shall be a slide type which provides a locked "off" and a positive "on." When specified, a "flashing" position shall be provided. Switches shall resist accidental movement to the "on" position. The switch slide or button, shall be designed so as to permit easy manipulation with one hand.

3.3.7 *Finish and workmanship*.—The finishes of all components and of the assembled flashlights shall be equal to or better than those recognized as good commercial practice for the material in the same or similar applications, and shall evidence no indication of deterioration when the flashlights are subjected to the tests.

4.4.1.3 *Test cell selection*.—The flashlight shall be loaded with the required number of selected size D mercury cells (Mallory No. RM42R or equal).

NOTE:—It has been determined that mercury-type cells provide a more stable current supply than regular zinc-type dry cells for determining the light-producing performance of flashlights.

Federal Specification P-D-220a, Detergent, General Purpose

1. SCOPE AND CLASSIFICATION.

1.1 *Scope*.—This specification covers general maintenance commercial cleaning compounds containing synthetic detergents. Typical uses are in removing