

Innovating Science[®] by Aldon Corporation

“cutting edge science for the classroom”

CONSUMER CHEMISTRY



S96649 Properties of Toothpaste

\$89.00

The history of teeth cleaning agents actually goes back thousands of years. Toothpaste as we know it today however is a comparatively recent development. In this activity, students will investigate several properties of toothpaste samples, provided in the kit, including presence of fluoride, pH, abrasiveness, and foaming ability. As a second activity, students will use the included materials to create their own toothpaste.

S96650 Properties of Soaps and Detergents

\$64.00

Though similar in function, soaps and detergents differ in chemistry and performance. Students will examine the similarities and differences in the properties of soap, hand dishwashing detergent, and machine dishwashing detergent, all provided in the kit. Activities include testing pH, examining the effect of soap and detergent on the surface tension of water, foaming ability, fat emulsification, and the performance of soap and detergent in hard water.



S96651 Properties of Antacids

\$55.00

With the global population spending over a half a billion dollars a year on commercial antacids, several companies are out there competing for a part of the business. In this activity, students will learn about some of the more common active components in over-the-counter antacids as well as investigate the rate of acid neutralization of five different antacids. Students will also compare the buffering ability of three different calcium carbonate based antacids. All antacid samples are included.

S96652 Properties of Shampoo

\$44.00

Different shampoos are manufactured from a variety of ingredients to perform a variety of tasks. In this investigation, students will not only learn about the role of several shampoo ingredients, but also test several properties of different shampoos which are included in the kit. Students will determine the relative viscosity, pH, flash-foam formation and retention, oil emulsification, and contaminant-dispersion abilities of different shampoos.



S96653 Properties of Aspirin

\$63.00

Aspirin is to this day the most widely used painkiller and largest selling non-prescription medicine in the world. Learn about the history of the development acetylsalicylic acid (aspirin) and test the performance of several different types of aspirin. Students will examine the solubility of aspirin in varying gastrointestinal environments, a comparison of active ingredients in regular and extra-strength aspirin, and the differences between regular and buffered aspirin. All aspirin samples are included.

S96654 Science in the Kitchen

\$159.00

This comprehensive kit incorporates a variety of scientific techniques all themed around common kitchen materials. Students will perform chromatography on commercial food colors, use chemical tests to identify an unknown cooking ingredient, examine the protein digesting ability of a common meat tenderizing enzyme, use titration to quantify vitamin C levels and then test an unknown juice or soda (not provided), and lastly examine some of the differences and similarities in the materials used to clean up (soap, hand dishwashing detergent, and machine dishwashing detergent).



Kits contain enough materials for fifteen groups. Teacher's Manual and Student Study Guide copymasters are included.



Fisher Science Education

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