



**Scienco/FAST – a division of Bio-Microbics, Inc.**

12977 Maurer Industrial Dr, Sunset Hills, MO 63127-1515 USA  
Toll-Free: 866-652-4539 | o: 314-756-9300 | F: 314-756-9306  
E: [solutions@sciencofast.com](mailto:solutions@sciencofast.com) | W: [www.sciencofast.com](http://www.sciencofast.com)



More than 35% of the natural surfactants in our cleaning products are derived from renewable raw materials\*.

The following tests performed by  
**Clemson University:**

**TEST COLORFASTNESS CLAIMS:**

Variation of AATCC Test Method #61 2A Scour Laundering Test Method(s), ISO Test Method 105 C-06 - 1A or 2A, CAN/CGSB Test Method 19 (#2): This test is for evaluating the colorfastness of textiles that expected to withstand repeated hand laundering at low temperature of  $40 \pm 3^{\circ}\text{C}$  ( $105 \pm 5^{\circ}\text{F}$ ).

**TEST HYPOALLERGENIC CLAIMS:**

Determining the rinsability of residues test for fabrics. Test results conclude that if fabric had an indicated weight gain then residues exist in fabric.

**Competing Leading Detergent:** Using 100% cotton cloth diapers after controlled washing and drying eight (8x) times (at recommended levels) gained nearly 2% in weight.

**Mighty Mike® Detergent:** Those Using 100% cotton cloth diapers after controlled washing and drying eight (8x) times (at recommended levels and four time (4x's) the recommended levels) gained no measurable weight at all.

**FIRE-PROOF FABRIC PROTECTION:**

Test Consumer Product Safety Commission Test 16 CFR 1615/1616 and ASTM Test D4723. This Standard provides lists of test methods used in the United States of America and Canada for measuring and describing the properties of textiles and textile products or assemblies in response to heat and flame under controlled laboratory conditions.

**Procedure:** Test fabrics (manufactured already resistant to fire) were washed with Mighty Mike® and two other leading detergents, dried and exposed to open flame for 50 cycles. Results were measured by char length at each cycle.

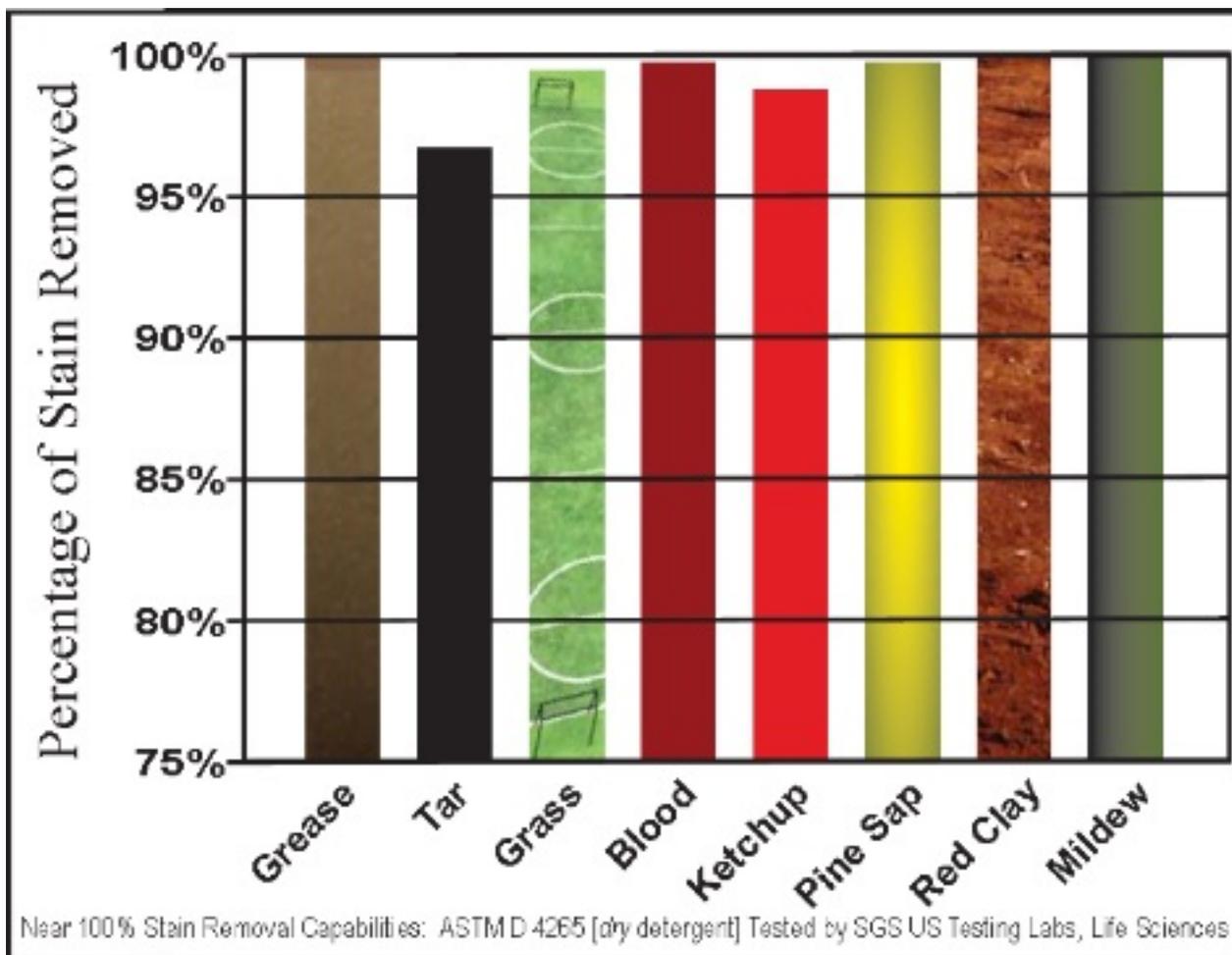
**Results:** Mighty Mike® continued to improve the flame retardant properties after each washing to the point where the fabric would not catch fire at all. No other detergent tested improved the flame retardant properties of children's sleepwear.

**WATER-REPELLENT FABRIC PROTECTION:**

Measuring Water Repellency of Water proof Fabrics: Standard test method for fabrics resistant to water was used ASTM Water Spray Test D-1913 (AATCC22). This standard does not purport to address all of the safety concerns, if any, associated with its use and determine the applicability of regulatory limitations prior to use.

**Procedure:** Test fabrics (manufactured already resistant to water) were washed five (5x) times with Mighty Mike® and two other leading detergents (specially formulated for active wear), dried and exposed to water.

**Results:** After 5 washings, fabrics washed by Mighty Mike® were above 90% water repellency. Whereas, the water repellency of the other leading detergents tested fell below 70% and 50% respectively.



**Certified  
Biodegradable\***

\*Standard Test Method for determining biodegradation was more than 97% degraded: less than 2.7% product remaining is mineral based. (Japan Food Research Labs). Safe for use in biological septic systems and near waterways.

HYPOALLERGENIC, maintains color and rinses completely leaving no residues for sensitive skin.

SAFE and EFFECTIVE in all temperatures.

A clear, low-sudsing, scent-free, petrochemical solvent-free detergent ideal for any a High-Efficiency (HE) or Front Loader washing machine and/or properties with septic systems, water reuse, greywater reuse, or direct discharge applications.

**NON-TOXIC FORMULA:**

- NO OIL-BASED SOLVENTS
- NO QUATERNARY AMMONIAS
- NO UV BRIGHTENERS
- NO GLYCOL ETHERS
- NO PHOSPHATES
- NO FRAGRANCES
- NO ACIDS OR DYES