

LIQUID LAUNDRY PACKET SAFETY STANDARD

ASTM Standard Safety Specification for Liquid Laundry Packets

LABEL FEATURES

Warning Information



Safety Icons



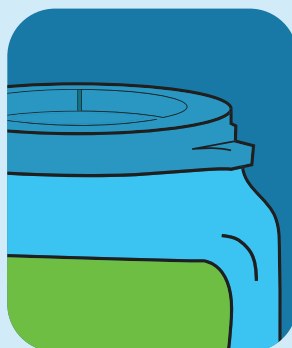
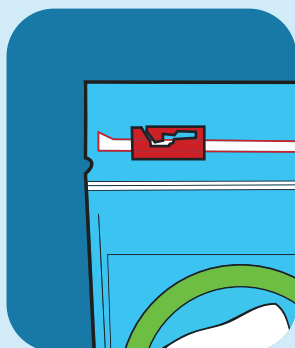
First Aid Instructions



PACKAGE FEATURES

Liquid laundry packet containers must be easy to close in one motion and meet one or more of the following safety requirements:

1. Manipulative skill or dexterity to open
2. Test criteria for being child-resistant
3. Intellectual skill of a child at least six years old to open



4. Force greater than what a child is capable of generating to open

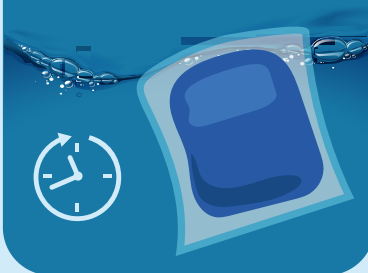
5. Hand dexterity characteristics greater than those of an average-sized child to open

PACKET FEATURES

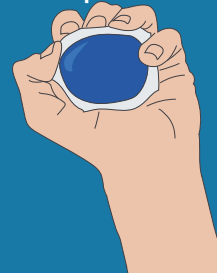
Bitter-tasting film



Delayed-dissolution film



Squeeze-resistant packet



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LIQUID LAUNDRY PACKET SAFETY STANDARD

Liquid laundry packets (LLPs), since their 2012 debut to the U.S., have become increasingly popular among consumers for their easy-to-use, premeasured doses that weigh less than liquid detergents. These highly concentrated packets can cause serious harm if they are accidentally ingested or come into contact with the eyes.

The American Cleaning Institute® (ACI) and industry manufacturers continue to work closely with public safety officials and consumer groups to identify best practices and understand LLP accidents to reduce their occurrence. Through this work, these organizations developed a new safety standard comprised of packaging, product and labeling modifications to reduce inadvertent exposures.

Additionally, ACI's laundry safety campaign educates parents and caregivers about the proper use and storage of LLPs to prevent accidental access.

LABEL FEATURES

Liquid laundry packet packages are labeled with standardized warnings, precautionary and first aid statements, as well as eye-catching safety icons.

Warning Information

is displayed on the front, and in greater detail on the side or back panel of the package

Safety Icons

on the back or side panel warn of potential hazards

First Aid Instructions

are included on the back or side panel

PACKAGE FEATURES

Packages are designed to be difficult for children to open and are opaque to mask visibility of individual packets.

Package safety features must include at least one of the following designs and be easy to close in one motion:

- 1.** A package that requires manipulative skill or dexterity to open, such as:
 - Two or more closure mechanisms that are interdependent
 - A double-action release mechanism (e.g., two consecutive motions in which one is maintained while the other is activated; two separate and independent motions that must occur simultaneously)
 - Two independent release mechanisms performed consecutively
- 2.** A package that meets test criteria for being child-resistant
- 3.** A package that requires the intellectual skill of a child at least six years old to open (e.g., a non-obvious opening, a mechanical means of opening that is obscured from view, manipulation of a visual or tactile feature is required)
- 4.** The force required to open the package is greater than a child is capable of generating
- 5.** Hand dexterity required to open the package is greater than that of an average-sized child

PACKET FEATURES

Additional mandatory deterrents introduced to packets themselves include:

- 1.**
A bittering agent is added to the packet film
- 2.**
Packet film dissolves slowly enough to delay release of contents
- 3.**
Packets have the ability to withstand the squeezing pressure of a young child



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