Andres Espinoza September 29, 2019

EAS 360

Feature list:

* Self-powered, wheeled device.
* Will include safety belt strap
* Will include flashing lights and noise; includes 4 AA batteries.
* Includes assembly and operational instructions.
* Plastic material composition to be determined.
* Some metal pieces included for pedals and wheels.

Standards

* Wheeled device
  + 4.17 Wheels, Tires, and Axles
  + 4.25.10 Battery-Powered Ride-On Toys—These requirements apply to circuits within wheeled ride-on toys, not intended for streets or roadways, using a battery power source that is capable of delivering at least 8 amps into any variable resistor load for a minimum of one minute when tested in
* Safety Belts
  + 4.18.3 Chains and Belts—These requirements are to prevent finger crushing through entrapment between links of supporting chains or between chains and sprockets or pulleys and belts.
  + 4.18.3.2 Chains or Belts for Ride-On Toys—Power transmission chains and belts in ride-on toys shall be shielded.
  + A12.6.3 The cords, straps, and elastics requirement was intended to address potential entanglement and strangulation hazards presented by toys where a cord or loop is accessible to be placed around the neck. Ride-on toys have a unique play pattern; they will not typically be picked up by a child and the waist restraints are not readily accessible to be placed around the neck. Role-play waist restrain belts/straps have been incorporated into ride-on toys for children ages 12 months and over for many years. There is no incident data to indicate that a strangulation or entanglement hazards is presented by these restraints. In addition, the use of waist restraints on ride-on toys encourages children to use restraints at an early age, which is a benefit.
* Battery
  + .2.2 Examples of the implementation of good design practices for battery operated toys include the following:
  + A8.2.1 The design of battery operated toys shall be such that an explosion, combustion or overpressure hazard is not generated during normal use, reasonably foreseeable abuse where applicable, and under stalled motor conditions
  + 8.19 Test for Toys that Contain Secondary Cells or Batteries
* Usage and Materials
  + 8.3  Test Methods for Determination of Heavy Element Content in Toys, Toy Components and Materials
  + 8.4  Tests for Cleanliness and Preservative Effectiveness
  + 8.5nNormal Use Testing
  + 8.6 Abuse Testing
  + 8.7 Impact Tests